

# ACADEMIC PROGRAMME

January–June 2014



**SIR GANGA RAM HOSPITAL**

NEW DELHI





GRIPMER

**The Ganga Ram  
Institute for  
Postgraduate  
Medical Education and Research  
(GRIPMER)**



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# **Academic Programme**

**January–June 2014**

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**Sir Ganga Ram Hospital**

**New Delhi**

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Sir Ganga Ram Hospital is today one of the leading hospitals in North India and has departments which have achieved national and international recognition. It is not only a centre for providing medical care to our local community but an institute widely recognized for postgraduate teaching and academic activities.

Good medical care is linked with the continuous process of learning. The quality of medical care offered to patients is directly related to the academic knowledge of consultants. We feel, therefore, it is imperative to improve the academic activities of the hospital so that patients will be better helped and the image of the hospital is enhanced. Teaching is the best way of learning. The consultants of the hospital are, therefore, expected to actively participate in the teaching programme of the postgraduate students. It will not only improve their own knowledge but also help them keep abreast of knowledge in their specialties. It is imperative that they spend time teaching DNB students so that our students perform well in the examination and also, more importantly, learn the habit of practising academic medicine.

I anticipate that all the faculty members will continue their full support towards the upliftment of academics in this institution and I hope our programme would be the best in the DNB-accredited institutions. Any suggestions for improvement of the Academic Programme would be welcome.

Dr D.S. RANA

*Chairman—Board of Management and*

*Director—The Ganga Ram Institute for Postgraduate Medical Education  
& Research (GRIPMER)*

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It is a matter of great pleasure for me to write a preface for the Academic Booklet (January–June 2014) published by the Department of Academics, Sir Ganga Ram Hospital.

Sir Ganga Ram Hospital is not only a multispecialty, state-of-the-art, 675-bedded hospital recognized nationally and internationally but is also a leader in academic activities across the country.

The Academic Programme is planned to impart a cohesive and rational approach to the subject of medicine. The programme has been in existence for more than 30 years and the results of our students who appear for the DNB examinations give an indication of the kind of training that is imparted to them.

I am sure that all the faculty members will continue to devote their best for the development of these young professionals.

Dr ANUPAM SACHDEVA  
*Chairman*  
*Department of Academics*





*Advisor:* Dr K.C. MAHAJAN

*Chairperson:* Dr ANUPAM SACHDEVA

The DNB programme was started at Sir Ganga Ram Hospital in 1984 in five disciplines.

In 1996 an Academic Committee was constituted under the chairmanship of Dr K.C. Mahajan, ably assisted by Dr P.S. Gupta and Dr S. Nundy.

The Academic Committee was given the status of a Department of Academics in the year 2002. Today we cater DNB courses in 30 disciplines including 13 superspecialities and post-doctoral fellowships in 8 disciplines and is the largest in the country.

The following are the activities of the department:

- Structuring and publishing a single comprehensive booklet every six months in January and July, which has the academic schedule of all the departments. The department ensures that the DNB curriculum is strictly adhered to along with periodic meetings with the DNB students of each department so that an adequate feedback is available.
- Arranging faculty lectures by outstanding people from India and abroad in their areas of expertise. These have a dual advantage as the hospital is exposed to the visiting faculty and the consultants and residents upgrade their knowledge.
- Encouraging CME activities which are recognized for accreditation by the Delhi Medical Council. The department also encourages the holding of seminars, workshops, panel discussions and journal clubs.

The Department of Academics has a Medical Illustration Unit, headed by Mr Sansar Thakur, which offers the following services:

- Providing secretarial assistance to students and faculty for the preparation of slides and processing data for publication.
- Accessing the internet to make available material required to write papers.
- Providing the latest LCD/ DLP projection facilities.
- Making available a 24-hour internet service.
- Recording of clinical combined rounds, faculty lectures, first of the month clinical meetings, seminars, symposia and public awareness lectures.
- Taking digital photographs of patients in the OPD and wards.
- Scanning of X-rays/ CT/ MRI and 35 mm slides.
- Running a basic computer course for DNB students.
- Giving live demonstrations of various procedures. There is a permanent fibre-optic cable from the main Operation Theatre, Cardiac Operation Theatre, Endoscopic Room, Academic Room and Department of Minimal

Access Surgery to the main Auditorium and Seminar Room. This is manned by in-house staff.

- Conducting a clinical meeting on the first of every month in which individual departments present their achievements and latest trends in their respective fields. Four of these meetings in a year are in the form of clinicopathological conferences, for which the speaker is an invited faculty member from among the best known institutions of India. It is a matter of great pride that the hospital has such a large wealth of good and interesting clinical data, because of which the department has been able to regularly conduct clinicopathological conferences of high quality.
- Publishing a quarterly Hospital Newsletter, which highlights the hospital's academic and social activities, and also invites articles from consultants on subjects other than medicine.
- Ensuring an environment conducive to effective learning. The department has a library with a paper as well as an electronic section.
- Managing the hospital website and regularly updating information regarding the hospital.

### First of the Month Clinical Meeting

The department conducts a clinical meeting on the first of each month where all departments in turn present their achievements and latest trends in their respective fields. The following guidelines are to be followed:

- The subject should be of general interest to people of all disciplines
- Address by the Chairman, Department of Academics for 5 minutes
- Address by the Chairman, Board of Management for 5 minutes
- Ten minutes will be used for discussion

The actual presentation should be of 40 minutes, well-rehearsed and coordinated so that it is within the time schedule and there is no redundancy of presentation. Overhead projection should not be used.

Attendance is mandatory for Junior, Associate, Senior, Visiting and Courtesy Consultants.

Time: 2:30 p.m.–4 p.m.

Venue: Auditorium, Working Women's Hostel

<i>Date</i>	<i>Department</i>
January 2014	Obstetrics and Gynaecology
February 2014	Nephrology
March 2014	Chest Medicine
April 2014	Neurology
May 2014	Medicine
June 2014	– No meeting –

## Clinicopathological Conference

Time: 2:15 p.m.

Venue: Auditorium

The Department of Pathology presents a clinical and interesting case in which the discussant is an invited faculty member from one of the best known institutions of the country. The Department of Pathology will conduct the following CPCs:

<i>Date</i>	<i>Day</i>
30.01.14	Fifth Thursday
27.03.14	Fourth Thursday
29.05.14	Fifth Thursday

An attendance of 75% is mandatory for Junior, Associate and Senior Consultants, Residents and DNB students.

## Clinical Combined Rounds

Clinical combined rounds are held every Tuesday between 11:30 a.m. and 12:30 p.m. in the Seminar Room. During each round, two departments present cases adhering, as far as possible, to the following pattern:

- The resident presents the history, examination findings, results of investigations and clinical diagnosis using computerized projection (12 minutes).
- The Departments of Pathology and Imaging or other departments describe the contribution they have made to the management (5 minutes).
- The consultant in-charge of the case highlights its interesting features (2 minutes).
- The resident discusses the case in the light of the published literature and attempts to derive a message that is more widely applicable (6 minutes).
- There is then a short general discussion (5 minutes).

Time: 11:30 a.m., Tuesday

Venue: Seminar Room

<i>Date</i>	<i>Medical specialty</i>	<i>Surgical specialty</i>
<b>January</b>		
07.01.14	Chest Medicine	Thoracic Surgery
14.01.14	HOLIDAY	
21.01.14	Endocrinology	Orthopaedics
28.01.14	Nephrology	ENT

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**February**


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04.02.14	Paediatrics	Obstetrics and Gynaecology
11.02.14	Dermatology	Plastic Surgery
18.02.14	Neurology	MAS
25.02.14	Psychiatry	Neurosurgery

**March**


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04.03.14	Medicine	Ophthalmology
11.03.14	Neurophysiology	Cardiac Surgery
18.03.14	Gastroenterology	General Surgery
25.03.14	Genetics	Urology

**April**


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01.04.14	Neonatology	Spine Surgery (Neurosurgery)
08.04.14	HOLIDAY	
15.04.14	Cardiology	Joint Replacement Surgery
22.04.14	Medical Oncology	GI Surgery
29.04.14	Critical Care Medicine	Ophthalmology

**May**


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06.05.14	Rheumatology	Surgical Oncology
13.05.14	Anaesthesia & Pain Management	Centre for IVF
20.05.14	Paediatric Haematology	Renal Transplantation
27.05.14	Sleep Medicine	Paediatric Surgery

**Combined Medicosurgical Rounds**

Combined medicosurgical rounds are held on every Friday between 11:30 a.m. and 12:30 p.m. in the Seminar Room. To make these meetings more beneficial for the participants, the following guidelines are suggested:

- Two well-prepared clinical cases should be presented and these cases should be of common interest and convey a message to the participants.
- The case history, physical findings and investigations should be presented by the postgraduate or resident doctor preferably with an LCD projector.
- Following the presentation, the diagnosis and differential diagnosis of the case should be discussed by the consultant-in-charge. Adequate time should be provided for general discussion, and questions and answers.
- A review of the literature, if necessary, may be given at the end.
- When help of the consultants from investigative and other departments is required during the presentation, they should be informed at least one day earlier so that they may come prepared.

### Schedule for the Combined Medicosurgical Rounds

<b>1st Friday</b>	Dr S.P. Byotra/ Dr Atul Kakar/ Dr Atul Gogia/ Dr Col S.K. Chadha/ Dr V.S. Bedi/ Dr Sandeep Aggarwal/ Dr Ajay Yadav
<b>2nd Friday</b>	Dr Vijay Arora/ Dr C.S. Ramachandran/ Dr Pramoj Jindal/ Dr Srikrishna Das/ Dr Shyam Aggarwal
<b>3rd Friday</b>	Dr Vinod Malik/ Dr S.M. Taha/ Dr Tarun Mittal <b>Alternate 3rd Friday:</b> Dr L. Duggal/ Dr Neeraj Jain/ Dr K.P. Jain/ Dr Sunil Jain/ Dr Pooja Khosla/Dr Kunal Chawla
<b>4th Friday</b>	Dr Anil Arora/ Dr M. Kumar/ Dr Piyush Ranjan/ Dr Naresh Bansal/ Dr Munish K. Sachdeva/ Dr Pankaj Tyagi/ Dr Praveen Sharma/ Dr Ashish Kumar/ Dr Neeraj Jain/ Dr Bobby Bhalotra
<b>5th Friday</b>	Dr T.B.S. Buxi—MRI, CT Scan

### Pathology/Biochemistry/Haematology/Microbiology/ Genetics Meetings

Time: 2:15 p.m.–3:30 p.m.

Venue: Seminar Room

1st Thursday

On alternate 3rd Thursday

Pathology and Cytology

(a) Haematology and Biochemistry

(b) Microbiology and Genetics

In these meetings, three to four interesting cases of both clinical and academic interest are presented in detail. The clinicians present the clinical data and the concerned laboratory presents its findings followed by discussion and theoretical aspects of the case including the differential diagnosis.

A minimum of 75% attendance is mandatory for Junior, Associate and Senior Consultants, Residents and DNB students.

### Imaging Meetings

Time: 2:15 p.m.–3:30 p.m.

Venue: Seminar Room

2nd Thursday

Radiology

30 minutes

Ultrasound

30 minutes

4th Thursday

CT and MRI/ PET/ Nuclear Medicine

Radiologists present cases of academic interest and discussions are held along with the clinician and pathologist.

A minimum of 75% attendance is mandatory for Junior, Associate and Senior Consultants, Residents and DNB students.

### **Basic Science Lectures**

Time: 8 a.m.-9 a.m., every Friday

Venue: Seminar Room

The topics of lectures are displayed on the Notice Boards as well as on the Hospital Website.

A minimum of 70% attendance is mandatory for DNB students.

*Chairperson:* Dr JAYASHREE SOOD

*Teaching Coordinator:* Dr PRADEEP JAIN

### **Attendance**

Attendance is compulsory for postgraduates and residents.

### **Examinations**

Examinations are held once a month (last Saturday of the month, 3 p.m.–6 p.m.).

### **Seminar**

Time: 7 a.m.–8 a.m., every Tuesday

Venue: Operation Theatre (7th Floor, Seminar Room)

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
07.01.14	Heart—anatomy, regulation of circulation, pathophysiology and management of shock	Dr Rohit	Dr A. Jain/ Dr A. Dutta
14.01.14	Hypertension and IHD	Dr Swati	Dr R. Sehgal/ Dr A. Gupta
21.01.14	Valvular heart disease and anaesthesia management	Dr Rishi	Dr S. Sindhu/ Dr N. Sethi
28.01.14	Congenital heart disease and anaesthesia management	Dr Sekhar	Dr C. Sahai/ Dr N. Jain
04.02.14	Anaesthesia management of aortic aneurysm	Dr Naveen	Dr K.K. Narani/ Dr A. Marwaha
11.02.14	Paediatric anaesthesia—principles of management	Dr Sudeep	Dr D. Pant/ Dr A. Koul
18.02.14	Neonatal emergencies	Dr Deepti	Dr D. Pant/ Dr M. Gupta
25.02.14	Cerebral circulation and cerebral protection	Dr Jasmine	Dr N. Ganguly/ Dr A. Gera
04.03.14	Anaesthesia and neurosurgery	Dr Saurav	Dr P. Jain/ Dr R. Bhutani
11.03.14	Anaesthetic management of phaeochromocytoma	Dr Aaroh	Dr B. Sharma/ Dr N. Dua
18.03.14	Anaesthesia consideration in an elderly patient	Dr Ameya	Dr V.P. Kumra/ Dr D. Gautam

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
25.03.14	ENT and anaesthesia—with special reference to MLS and laryngectomy	Dr Aakash	Dr R. Jain/ Dr P. Chaudhary
01.04.14	Anaesthesia for liver disease	Dr Swetha	Dr S. Gupta/ Dr N. Sethi
08.04.14	Faciomaxillary trauma	Dr Himani	Dr J. Sood/ Dr M. Singh
15.04.14	Liver transplant and anaesthesia	Dr Deepti	Dr S. Pandey/ Dr S. Malhotra
22.04.14	Perioperative management of a patient on anticoagulants	Dr Jasmine	Dr K.K. Narani/ Dr B. Panday
29.04.14	Anaesthesia for VATs and robotic surgery	Dr Saurav	Dr S. Sharma/ Dr M. Kohli
06.05.14	Crystalloids and colloids	Dr Aaroh	Dr A. Jain/ Dr Abhjit Singh
13.05.14	Thermoregulation and malignant hyperthermia	Dr Ameya	Dr S. Sindhu/ Dr A. Sirohi
20.05.14	Diabetes and anaesthesia	Dr Aakash	Dr R. Saxena/ Dr Akhil Kumar
27.05.14	Anaesthesia for a patient undergoing scoliosis surgery	Dr Swetha	Dr C. Sahai/ Dr A. Gupta
03.06.14	Monitoring in anaesthesia practice	Dr Himani	Dr A. Singh/ Dr A. Dutta
10.06.14	Extracorporeal circulation	Dr Deepti	Dr A. Maheshwari
17.06.14	Role of anaesthesiologist in trauma and transport of critically ill patients	Dr Jasmine	Dr B. Sharma/ Dr M. Gupta
24.06.14	Spinal and epidural anaesthesia	Dr Saurav	Dr P. Jain/ Dr N. Dua

### Journal Club

Time: 7 a.m., 2nd Saturday

Venue: Seminar Room, 5th Floor, SSR Block

<i>S. No.</i>	<i>Month</i>	<i>Speaker</i>	<i>S. No.</i>	<i>Month</i>	<i>Speaker</i>
1	January	Dr Jasmine	4	April	Dr Swetha
2	February	Dr Aaroh	5	May	Dr Ameya
3	March	Dr Himani	6	June	Dr Aakash



**Case Presentation/ Tutorial**

Time: 11 a.m., every Friday

Venue: 5th Floor, Seminar Room, SSR Block

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
03.01.14	Labour analgesia	Dr Deepti	Dr V.P. Kumra/ Dr P. Chaudhary
10.01.14	CVS monitoring	Dr Saurav	Dr A. Koul/ Dr B. Panday
17.01.14	Patient of CABG for exploratory laparotomy	Dr Rishi	Dr A. Jain/ Dr M. Kohli
24.01.14	MS with pregnancy	Dr Naveen	Dr R. Sehgal/ Dr N. Sethi
31.01.14	Antiarrhythmics and anti-hypertensives	Dr Swati	Dr P. Jain/ Dr M. Singh
07.02.14	Defibrillation and pacemakers	Dr Swetha	Dr S. Gupta/ Dr A. Marwaha
14.02.14	Cleft lip and palate	Dr Sekhar	Dr J. Sood/ Dr Abhjit Singh
21.02.14	TOF presentation	Dr Rohit	Dr D. Pant/ Dr S. Malhotra
28.02.14	Cerebral monitoring and evoked potential	Dr Himani	Dr C. Sahai/ Dr A. Sirohi
07.03.14	Post-fossa tumour	Dr Ameya	Dr N. Ganguli/ Dr A. Kumar
14.03.14	Phaeochromocytoma	Dr Aakash	Dr B. Sharma/ Dr M. Mishra
21.03.14	Elderly for TKR	Dr Aaroh	Dr R. Saxena/ Dr A. Gandhi
28.03.14	Child for tonsillectomy	Dr Jaismine	Dr M. Gupta/ Dr A. Marwaha
04.04.14	Obstructive jaundice	Dr Swetha	Dr S. Sindhu/ Dr Abhjit Singh
11.04.14	Portal HTN	Dr Aakash	Dr S. Pandey/ Dr P. Chaudhary
18.04.14	Difficult airway management	Dr Ameya	Dr S. Sharma/ Dr N. Sethi
25.04.14	Anticoagulants	Dr Himani	Dr K.K. Narani/ Dr S. Malhotra
02.05.14	Patient of broncho-pleural fistula for pneumonectomy	Dr Aaroh	Dr N. Dua/ Dr B. Panday

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
09.05.14	Blood transfusion	Dr Deepti	Dr N. Jain/ Dr M. Singh
16.05.14	Malignant hyperthermia	Dr Saurav	Dr A. Gupta/ Dr M. Kohli
23.05.14	Uncontrolled diabetes for amputation of the foot	Dr Jaismine	Dr D. Gautam/ Dr Abhjit Singh
30.05.14	Assessment of cardiac risk	Dr Ameya	Dr A. Gera/ Dr A. Marwaha
06.06.14	TEG	Dr Aakash	Dr R. Jain/ Dr A. Sirohi
13.06.14	Neuromuscular monitoring	Dr Himani	Dr R. Bhutani/ Dr A. Kumar
20.06.14	ACLS and BLS	Dr Swetha	Dr A. Singh/ Dr M. Mishra
27.06.14	PDPH	Dr Aaroh	Dr A. Dutta/ Dr A. Gandhi

### Faculty Lecture

Time: 7:30 a.m., Wednesday

Venue: 5th Floor, Seminar Room, SSR Block

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
01.01.14	Sterilization	Dr S. Sindhu
08.01.14	Safety in OT and control of OT pollution	Dr A. Jain
15.01.14	Oxygen therapy and hyperbaric O <sub>2</sub> therapy	Dr B. Sharma
22.01.14	Chest drainage system	Dr S. Sharma
29.01.14	Surgical airway techniques	Dr R. Bhutani
05.02.14	Anaesthesia outside OT	Dr N. Ganguly
12.02.14	Monitoring—cardiovascular	Dr J. Sood
19.02.14	Monitoring—respiratory	Dr C. Sahai
26.02.14	Monitoring—neuromuscular	Dr S. Malhotra
05.03.14	Depth of anaesthesia	Dr A. Dutta
12.03.14	Induction agents	Dr A. Gupta
19.03.14	Inhalation agents	Dr A. Koul
26.03.14	Analgesics—opioids, nonopioids	Dr P. Jain
02.04.14	Muscle relaxants	Dr N. Dua
09.04.14	Local anaesthetics	Dr D. Gautam
16.04.14	Anaemia with pregnancy	Dr R. Sehgal

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
23.04.14	Anaesthetic management of myasthenia gravis	Dr N. Sethi
30.04.14	Squint surgery and anaesthesia	Dr J. Sood
07.05.14	Coagulation system	Dr K.K. Narani
14.05.14	Papilloma of larynx—anaesthesia management	Dr R. Saxena
21.05.14	Controlled hypotension	Dr P. Chaudhary
28.05.14	Vasopressors and inotropes	Dr S. Gupta
04.06.14	Defibrillator and pacemaker	Dr S. Pandey
11.06.14	ACLS/ BLS	Dr A. Singh/ Dr Mithilesh
18.06.14	Blood transfusion	Dr D. Pant
25.06.14	Multinodular goitre for thyroidectomy	Dr B. Sharma

*Chairperson:* Dr L.M. SRIVASTAVA

**Journal Club/Research Seminar**

Time: 2 p.m.-3 p.m., 4th Tuesday of the month

Venue: Department

Speakers: Faculty of the department and invited scientists engaged in the areas of Clinical Biochemistry, Molecular Biology and Immunology

Topics of Journal Clubs and seminars will be circulated.

The department conducts a PhD programme and PhD scholars and research fellows are expected to present his or her research progress once during the semester.

*Chairperson:* Dr GANESH RAJ SHIVNANI

*Teaching Coordinator:* Dr SUMIR DUBEY

The Department of Cardiac Surgery has been recognized for the DNB training programme. Beginning from August 2001, two candidates per year are inducted for training, which is for three years.

### **A Brief Outline of the DNB Training Programme**

The main thrust of training is to make candidates independent consultants. The training imparted is in the form of preoperative, operative and postoperative management of various types of cardiac surgical procedures. The department has one senior consultant, two junior consultants and four attending cardiac surgeons.

### **Requirements**

Candidates will be expected to attend all ward rounds and operating sessions. They will be actively involved in preoperative assessment as well as postoperative management of cardiac surgical patients. Each student is required to maintain a log book in which all cases presented, surgeries assisted, surgeries performed, lectures, seminars and Journal Clubs attended are recorded.

### **Attendance**

It is compulsory for students to attend all the lectures, seminars, tutorials and Journal Clubs.

### **Academic Programme**

The department regularly holds lectures, Journal Clubs and seminars. With the induction of DNB candidates, the department will expand its academic programme. It will include faculty lectures, seminars, case presentations, Journal Clubs and discussion on operations. Faculty lectures will be held by consultants of the Departments of Cardiac Surgery, Cardiac Anaesthesia, Cardiology, General Medicine, Nephrology, Pathology, Microbiology, Radiology, Biochemistry and other supportive services. Seminars and Journal Clubs will be held regularly, in which DNB students, assisted by a consultant, will present a surgical topic and review current journals.

### **Short Review**

Time: 8:30 a.m.–10 a.m., every 2nd and 4th Saturday

Venue: Surgeons' Lounge, 5th Floor

## Journal Club

Time: 9 a.m.–10 a.m., every Saturday

Venue: Surgeons' Lounge, 5th Floor

Important cardiac surgery journals will be reviewed:

*Annals of Thoracic Surgery*

*Journal of Thoracic and Cardiovascular Surgery*

*Chest Clinics of North America*

*Recent Advances in Cardiac Surgery*

*Journal of Cardiac Surgery*

## Case Presentation

Time: 8:30 a.m.–10 a.m., Saturday

Venue: Surgeons' Lounge, 5th Floor

Journal Club will be followed by a case presentation by the DNB candidates on every Saturday.

## Combined Journal Club and Cath Lab Meeting

Time: 1 p.m.–2 p.m., every Saturday

Venue: Conference Room, 5th Floor

Important cardiology and cardiac surgery journals will be reviewed. This will be followed by a combined Cardiology–Cardiac Surgery and Cardiac Cath meeting where interesting cath procedures and angiographies will be discussed along with discussion of interesting cases. All consultants of Cardiology, Cardiac Surgery and Cardiac Anaesthesiology will attend this combined Journal Club. DNB candidates of both cardiology and cardiac surgery will be required to take an active part in the Combined Journal Club.

## Lecture

Time: 8 a.m.–9 a.m., last Saturday of every month

Venue: Surgeons' Lounge, 5th Floor (Cardiac Operation Theatre)

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
25.01.14	Basics of cardiopulmonary bypass, myocardial management	Dr G. Shivnani
22.02.14	Congenital heart disease—classification	Dr S. Shad
29.03.14	Postoperative care of cardiac surgery patients	Dr S. Dubey
26.04.14	Atrial septal defect	Dr S. Dubey
31.05.14	Palliative shunts in cyanotic heart disease	Dr G. Shivnani
28.06.14	Mitral valve disease	Dr S. Shad

*Chairperson:* Dr I.C. VERMA

*Teaching Coordinator:* Dr RATNA DUA PURI

### **Brief Outline**

The Department has a Genetics PhD and Fellowship programme and has an academic programme of seminars, journal club and introductory lectures. The Department also participates in the Journal Clubs and Grand Rounds of the Departments of Paediatrics, Medicine, and Obstetrics and Gynaecology. The following activities are planned for this session. We also participate in the Clinical Grand Round, which is attended by all Residents.

### **Seminars**

Time: 3:15 p.m.–4:15 p.m., Thursday

Venue: Seminar Room (SR)

### **Daily Morning Session (Case Discussion)**

Time: 9:30 a.m.–10 a.m.

Venue: Conference Room (CR), Centre of Medical Genetics

### **Grand Round**

The department presents Grand Rounds for the Departments of Medicine and Paediatrics. Dates will be announced in the programmes of the respective departments.

### **Teaching Schedule**

<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Venue</i>	<i>Topic</i>	<i>Presenter/ Moderator</i>
<b>January 2014</b>					
06.01.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Swasti Pal
08.01.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash
09.01.14	(Thur)	3:15–4:15 p.m.	SR	Journal Club	Dr Hemlata Wadhvani/ Dr Pratibha Bhai
10.01.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha
13.01.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Sunita Bijarnia
15.01.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
16.01.14	(Thur)	3:15–4:15 p.m.	SR	Clinical and molecular laboratory data for the month of September–November 2013	Ms Ria Vyas & Dr Pratima Dash/ Dr Prahalad B.

<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Venue</i>	<i>Topic</i>	<i>Presenter/ Moderator</i>
17.01.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Swasti Pal
20.01.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Hemlata Wadhvani
22.01.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha
27.01.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Sunita Bijarnia
29.01.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
30.01.14	(Thur)	3:15–4:15 p.m.	SR	Journal Club	Ms Swasti Pal/ Dr I.C. Verma
31.01.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash

### February 2014

03.02.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Hemlata Wadhvani
05.02.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha
06.02.14	(Thur)	3:15–4:15 p.m.	SR	Methodology—MLPA with reference to aneuploidy screen, subtelomeric deletions	Dr Deepika Babbar/ Dr Sudha Kohli
07.02.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Swasti Pal
10.02.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash
12.02.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
13.02.14	(Thur)	3:15–4:15 p.m.	SR	DNA Sequencing	Ms Deepti Gupta/ Dr Sudhisha Dubey
14.02.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Sunita Bijarnia
17.02.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash
19.02.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Swasti Pal
20.02.14	(Thur)	3:15–4:15 p.m.	SR	Clinical and biochemical laboratory data for the month of November 2013–January 2014	Dr Divya Thomas & Dr Udhaya Kotecha/ Dr Jyotsna Verma
21.02.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Hemlata Wadhvani
24.02.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
26.02.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash
27.02.14	HOLIDAY				
28.02.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha

### March 2014

03.03.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Sunita Bijarnia
05.03.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
06.03.14	(Thur)	3:15–4:15 p.m.	SR	Methodology of non-invasive prenatal testing—chromosomal and thalassemia	Dr Rintu Jacob



<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Venue</i>	<i>Topic</i>	<i>Presenter/ Moderator</i>
07.03.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash
10.03.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha
12.03.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Sunita Bijarnia
13.03.14	(Thur)	3:15–4:15 p.m.	SR	Transplantation genetics as performed in the HLA laboratory	Dr Monica Jain
14.03.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
17.03.14	HOLIDAY				
19.03.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash
20.03.14	(Thur)	3:15–4:15 p.m.	SR	Journal Club	Ms Shweta Pandita/ Dr Pratibha Bhai
21.03.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha
24.03.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
26.03.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Sunita Bijarnia
27.03.14	(Thur)	3:15–4:15 p.m.	SR	Next generation sequencing—methodology	Dr Pratibha Bhai
28.03.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash
31.03.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha

#### April 2014

02.04.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
04.04.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Sunita Bijarnia
07.04.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha
09.04.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash
10.04.14	(Thur)	3:15–4:15 p.m.	SR	Real-time PCR	Ms Ria Vyas/ Dr Reeshu
11.04.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
14.04.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha
16.04.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Sunita Bijarnia
17.04.14	(Thur)	3:15–4:15 p.m.	SR	RSA and cytogenetic laboratory data	Dr Pratima Dash & Dr Surbhi/ Dr Meena Lall
18.04.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri
21.04.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Udhaya Kotecha
23.04.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Pratima Dash
28.04.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Dr Sunita Bijarnia
30.04.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Dr Ratna Puri

<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Venue</i>	<i>Topic</i>	<i>Presenter/ Moderator</i>
<b>May 2014</b>					
02.05.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Clinical section
05.05.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Clinical section
07.05.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Clinical section
08.05.14	(Thur)	3:15–4:15 p.m.	SR	Methodology— microfluidics	Ms Nitika Setia/ Dr Prahalad
09.05.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Clinical section
12.05.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Clinical section
14.05.14	HOLIDAY				
15.05.14	(Thur)	3:15–4:15 p.m.	SR	Journal Club	Deepti Gupta/ Dr Reeshu
16.05.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Clinical section
19.05.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Clinical section
21.05.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Clinical section
26.05.14	(Mon)	9.15–10 a.m.	CR	Case discussion	Clinical section
28.05.14	(Wed)	9.15–10 a.m.	CR	Case discussion	Clinical section
29.05.14	(Thur)	3:15–4:15 p.m.	SR	Interesting cases— presentation	Clinical section
30.05.14	(Fri)	9.15–10 a.m.	CR	Case discussion	Clinical section

CR: Conference Room, Center of Medical Genetics

SR: Seminar Room, 2nd Floor

*Chairperson:* Dr C. WATTAL

*Teaching Coordinator:* Dr JASWINDER KAUR OBEROI

The Department has a DNB course in clinical microbiology with one candidate every year. The training includes daily benchwork according to the posting schedule, participation in Journal Clubs, seminars, tutorials, training of the technicians and attending other academic activities of the hospital. The student will have to maintain the contents of the seminars as presented in the meeting. The student shall also be required to conduct practical tutorials for the technical staff. A PG is expected to involve herself/himself in the day-to-day functioning of the Department.

### **Seminar/Journal Club**

Time: 12 noon–1 p.m., every Wednesday

Venue: Board Room, New Building

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
01.01.14	Journal Club	Dr Shilpi Khanna	–
08.01.14	Disinfection	Dr Kanchan Kiran	Dr R. Raveendran
15.01.14	Journal Club	Dr C. Wattal	–
22.01.14	Antiviral drugs and susceptibility testing	Dr Varuna	Dr S. Datta
29.01.14	Journal Club	Dr J.K. Oberoi	–
05.02.14	Neurocysticercosis	Dr Parwez	Dr K.J. Prasad
12.02.14	Journal Club	Dr Neeraj Goel	–
19.02.14	Sterilization	Dr Kanchan Kiran	Dr J.K. Oberoi
26.02.14	Journal Club	Dr S. Datta	–
05.03.14	Parasitic infections of the eye	Dr Parwez	Dr Shilpi Khanna
12.03.14	Journal Club	Dr K.J. Prasad	–
19.03.14	Microscopy	Dr Kanchan Kiran	Dr Neeraj Goel
26.03.14	Journal Club	Dr R. Raveendran	–
02.04.14	Autoimmunity	Dr Varuna	Dr K.J. Prasad
09.04.14	Journal Club	Dr Shilpi Khanna	–
16.04.14	Investigation of an outbreak	Dr Parwez	Dr C. Wattal
23.04.14	Journal Club	Dr Jyoti	–
30.04.14	Laboratory diagnosis of fungal infections	Dr Kanchan Kiran	Dr J.K. Oberoi
07.05.14	Journal Club	Dr Varuna	Dr C. Wattal
21.05.14	Experimental animal models	Dr Varuna	Dr S. Datta
28.05.14	Journal Club	Dr J.K. Oberoi	–
04.06.14	HACEK group of organisms	Dr Parwez	Dr Neeraj Goel

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
11.06.14	Journal Club	Dr C. Wattal	–
18.06.14	Laboratory diagnosis of tuberculosis	Dr Kanchan Kiran	Dr R. Raveendran
25.06.14	Journal Club	Dr Neeraj Goel	–

## Tutorials

Time: 12 noon–1 p.m., every Saturday

Venue: Hall B

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
04.01.14	Anaerobic infections	Dr Parwez	Dr J.K. Oberoi
11.01.14	Staining techniques in bacteriology	Dr Kanchan Kiran	Dr Neeraj Goel
18.01.14	Nipah and hendra viruses	Dr Varua	Dr S. Datta
25.01.14	Ehrlichiosis	Dr Parwez	Dr Shilpi Khanna
01.02.14	Biological waste management	Dr Kanchan Kiran	Dr R. Raveendran
08.02.14	Chromoblastomycosis	Dr Varuna	Dr J.K. Oberoi
15.02.14	Malaria: Epidemiology and diagnosis	Dr Parwez	Dr K.J. Prasad
22.02.14	Staphylococci	Dr Kanchan Kiran	Dr Neeraj Goel
01.03.14	Coccidiomycosis and paracoccidiomycosis	Dr Varuna	Dr Shilpi Khanna
08.03.14	Lymphatic filariasis	Dr Parwez	Dr K.J. Prasad
15.03.14	Classification of enterobacteriaceae	Dr Kanchan Kiran	Dr Shilpi Khanna
22.03.14	Mycobacterial skin infections	Dr Varuna	Dr R. Raveendran
29.03.14	Visceral larva migrans	Dr Parwez	Dr K.J. Prasad
05.04.14	Fungal stains	Dr Kanchan Kiran	Dr J.K. Oberoi
12.04.14	Transplantation immunity	Dr Varuna	Dr S. Datta
19.04.14	Mycobacterial susceptibility testing	Dr Parwez	Dr R. Raveendran
26.04.14	Fungal culture methods	Dr Kanchan Kiran	Dr Shilpi Khanna
03.05.14	Bioterrorism	Dr Varuna	Dr C. Wattal
10.05.14	Haemophilus	Dr Parwez	Dr Neeraj Goel
17.05.14	Candidiasis	Dr Kanchan Kiran	Dr J.K. Oberoi
24.05.14	Bacterial vaginosis	Dr Varuna	Dr S. Datta
31.05.14	Plague	Dr Parwez	Dr C. Wattal
07.06.14	AFB staining	Dr Kanchan Kiran	Dr K.J. Prasad
14.06.14	Bordetella	Dr Varuna	Dr Shilpi Khanna
21.06.14	Aerobic spore bearers and anthrax	Dr Parwez	Dr Neeraj Goel
28.06.14	AFB culture methods	Dr Kanchan Kiran	Dr R. Raveendran

### Technician Training Programme

Time: 2:30 p.m., alternate Friday

Venue: Microbiology Laboratory

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>
10.01.14	Sample collection and receiving	Vipin
24.01.14	Special staining (Giemsa/Albert/ Kinyoun)	Kanchan
07.02.14	H1N1 PCR	Alok
21.02.14	NAT testing for blood bank samples	Anuradha and Mr Kak
07.03.14	Special media (BHI/ BYCE/ Legionella/ LJ/ fungal culture media)	Mini
21.03.14	Hains test	Pravesh
04.04.14	Maintenance of QC records in bacteriology	Sajid
18.04.14	Legionella antigen testing	Ritika
02.05.14	Identification for fungi by Vitek-MS	Kirti
16.05.14	AccuProbe	Madhu
30.05.14	Anaerobic culture	Dharmender
13.06.14	Maintenance of major laboratory equipments	Rajinder
27.06.14	Galactomanan antigen test	Aradhana

The technician training classes will be moderated by DNB students, Senior Residents along with the consultant-in-charge.

*Note:* In case of a holiday the scheduled academic activity will be held on the subsequent working day.

### Model for DNB programme in Clinical Microbiology

<i>Posting</i>	<i>1st Year A July–Dec (months)</i>	<i>1st Year B Jan–June (months)</i>	<i>2nd Year A July–Dec (months)</i>	<i>2nd Year B Jan–June (months)</i>	<i>3rd Year A July–Dec (months)</i>	<i>3rd year B Jan–June (months)</i>
Bacteriology	4	–	4	–	–	4
Mycology	–	2	–	1	–	–*
Mycobacteriology	2	–	–	1	3	–*
Parasitology	–	–	2	–	2	–*
Immunology	–	2	–	2	1	–*
Virology	–	2	–	2	–	–*

\* Revision posting: 2 months

*Chairperson:* Dr B.K. RAO

*Teaching Coordinator:* Dr VINOD K. SINGH

### Teaching Schedule

Venue: Intensive Care Unit/ Seminar room

**Medical audit:** 9 a.m.–10 a.m., 1st Saturday of the month

**Practical skills:** Bedside teaching

**Lecture/ Seminar:** 9 a.m.–10 a.m., every Wednesday

<i>Date</i>	<i>Topic</i>	<i>PG-I/II</i>	<i>Moderator</i>
01.01.14	Acute coronary syndrome— diagnosis and management	PG-II	Dr Vinod K. Singh
08.01.14	Pathophysiology of sepsis	PG-I	Dr Sumit Ray
15.01.14	Management of sepsis	PG-II	Dr Ashutosh Taneja
22.01.14	Multiple organ support in sepsis	PG-II	Dr Saurabh Taneja
05.02.14	Initial management of a trauma patient—ATLS protocol	PG-I	Dr Debashis Dhar
12.02.14	Na <sup>+</sup> homeostasis and fluid balance in ICU	PG-I	Dr Dinesh K. Rawat
19.02.14	Hypokalaemia/ hyperkalaemia/ other electrolytes	PG-II	Dr Rahul Kumar
26.02.14	Acid–base balance/ ABG interpretation	PG-I	Dr B.K. Rao/ Dr Sumit Ray
05.03.14	Acute neuromuscular weakness in ICU	PG-II	Dr S.C. Sharma
12.03.14	Pharmacokinetics and pharmaco- dynamics of vasopressors and inotropic treatment in ICU	PG-I	Dr Niraj Tyagi
19.03.14	Glycaemic disorders/ control in critically ill patients	PG-II	Dr Niraj Tyagi
26.03.14	Endocrine emergency	PG-I	Dr Sanjeev Mittal
02.04.14	Temperature regulation— hypothermia/ hyperthermia	PG-I	Dr Ashok Anand
09.04.14	Airway management in difficult airway	PG-II	Dr Debashis Dhar
16.04.14	Statistics and research methodology	PG-I	Dr Prakash Shastri
23.04.14	Radiological diagnosis—chest X-ray and CT thorax	PG-II	Dr B.K. Rao/ Dr Vinod K. Singh

<i>Date</i>	<i>Topic</i>	<i>PG-I/II</i>	<i>Moderator</i>
07.05.14	2-D echocardiography and transoesophageal echocardiography—interpretation	PG-I	Dr Ashutosh Taneja
14.05.14	Ethical issues in critical care medicine	PG-II	Dr S.C. Sharma
21.05.14	Postoperative management of liver transplant	PG-II	Dr Prakash Shastri
28.05.14	Management of the organ donor	PG-II	Dr Saurabh Taneja

### Journal Club/Case presentation

**Journal Club:** 9 a.m.–10 a.m., 1st and 3rd Friday of the month

**Case presentation:** 9 a.m.–10 a.m., 2nd and 4th Friday of the month

<i>Date</i>	<i>Topic</i>	<i>PG-I/II</i>	<i>Moderator</i>
03.01.14	Journal Club	PG-II	Dr Saurabh Taneja
10.01.14	Case presentation	PG-I	Dr Niraj Tyagi
17.01.14	Journal Club	PG-II	Dr Debashis Dhar
24.01.14	Case presentation	PG-I	Dr Ashutosh Taneja
07.02.14	Journal Club	PG-II	Dr Vinod K. Singh
14.02.14	Case presentation	PG-I	Dr Dinesh K. Rawat
21.02.14	Journal Club	PG-II	Dr Sanjeev Mittal
28.02.14	Case presentation	PG-I	Dr Saurabh Taneja
07.03.14	Journal Club	PG-II	Dr Niraj Tyagi
14.03.14	Case presentation	PG-I	Dr Ashok Anand
21.03.14	Journal Club	PG-II	Dr S.C. Sharma
28.03.14	Case presentation	PG-I	Dr Debashis Dhar
04.04.14	Journal Club	PG-II	Dr Ashutosh Taneja
11.04.14	Case presentation	PG-I	Dr Vinod K. Singh
18.04.14	Journal Club	PG-II	Dr Sumit Ray
25.04.14	Case presentation	PG-I	Dr Rahul Kumar
02.05.14	Journal Club	PG-II	Dr Sanjeev Mittal
09.05.14	Case presentation	PG-I	Dr Prakash Shastri
16.05.14	Journal Club	PG-II	Dr Dinesh K. Rawat
23.05.14	Case presentation	PG-I	Dr Ashok Anand

*Note: PG-I: FNB trainee (1st year), Senior Resident*

*PG-II: FNB trainee (2nd year)*

*Advisor:* Dr P.K. KHANNA

*Chairperson:* Dr J.P.S. SAWHNEY

*Teaching Coordinator:* Dr SUBHASH C. MANCHANDA

### **A Brief Outline of the DNB Training Programme**

The purpose of DNB training in Cardiology is to make the candidate an independent consultant in clinical cardiology and therapeutic decision-making. Basic training is also imparted in investigative techniques such as Echocardiography, Treadmill testing, Holter monitoring, exposure to Cardiac Catheterization and Interventional Cardiology, Intensive Coronary Care and Postoperative Intensive Care.

During the period of their stay of 3 years, candidates are rotated through various disciplines such as the Coronary Care Unit, Intensive Care Unit, wards (adult cardiology and paediatric cardiology), Non-invasive laboratory and Cardiac Catheterization laboratory.

Clinical and academic training includes bedside clinical case presentation and discussion, interpretation of ECGs and X-rays, regular Journal and Review Clubs. There is a Journal Club once a week, in which important articles from all leading journals of cardiology and cardiac surgery are presented by members of the department by rotation. The DNB candidate is asked to present brief reviews (20–30 minutes) every 3 weeks on selected topics, e.g. cardiac anatomy and physiology, embryology, pathology, pharmacology, arrhythmias, therapeutics, interventional cardiology, paediatric cardiology, non-invasive cardiology and hypertension.

A long review is presented (1-hour duration) every week.

### **Invasive Cath Lab/Non-invasive lab data**

Time: 1 p.m.–2 p.m., every Monday

Venue: Seminar Room, 5th Floor

### **Clinical Case Presentation**

Time: 1 p.m.–2 p.m., every Tuesday

Venue: Seminar Room



## Seminar

Time: 1 p.m.–2 p.m., every Thursday

Venue: Seminar Room, 5th Floor

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
02.01.14	Describe the embryology, presentation and management of corrected transposition of great arteries	Dr Kavita
09.01.14	What is apoptosis? Discuss its role in cardiovascular disease	Dr Vishal
16.01.14	Describe the pharmacology and use ticagrelor	Dr Smriti
23.01.14	What is facilitated PCI? Describe the rationale and clinical status of the procedure	Dr Kavita
30.01.14	Define idiopathic pulmonary hypertension. Discuss its aetiopathogenesis and treatment	Dr Vishal
06.02.14	Paediatric cardiology seminar	Dr Neeraj
13.02.14	What are the stages of heart failure? Describe treatment options of systolic heart failure	Dr Smriti
20.02.14	Recent advances in percutaneous valve interventions	Dr Kavita
27.02.14	How would you determine the presence and extent of myocardial stunning and hibernation?	Dr Vishal
06.03.14	The status of development of vaccines against acute rheumatic fever	Dr Smriti
13.03.14	Discuss atrial isomerism and its importance in congenital heart disease	Dr Kavita
20.03.14	Paediatric cardiology seminar	Dr Mridul
27.03.14	What is hangout interval? Describe its mechanism and effect on cardiac auscultation	Dr Vishal
03.04.14	Describe tissue Doppler imaging in health and disease	Dr Smriti
10.04.14	Describe the cardiovascular complications and management of non-cardiac surgery after percutaneous coronary interventions	Dr Kavita
17.04.14	What is hypersensitive carotid sinus syndrome? Outline its diagnosis and management	Dr Vishal
24.04.14	Describe the criteria for selection of patient for Fontan procedure. What are the postoperative complications?	Dr Smriti
01.05.14	Paediatric cardiology seminar	Dr Neeraj
08.05.14	Current indications and methods of automated implantable cardioverter–defibrillator device	Dr Kavita
15.05.14	Describe the established and evolving types of coronary stents	Dr Vishal
22.05.14	Methods and parameters used to interpret stress thallium test	Dr Smriti
29.05.14	What are hypercoagulable states? Outline its diagnosis and management	Dr Kavita

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
05.06.14	Outline the approach to evaluation of asymptomatic pre-excitation	Dr Vishal
12.06.14	Paediatric cardiology seminar	Dr Mridul
19.06.14	What is Chi-square test? Discuss its application in clinical medicine	Dr Smriti
26.06.14	What is afterload mismatch? Discuss evaluation and management of aortic stenosis in left ventricular dysfunction	Dr Kavita

### **Journal Club**

Time: 1 p.m.–2 p.m., every Friday  
Venue: Seminar Room, 5th Floor

### **Ward Round**

Time: 10:30 a.m.–11:30 a.m.  
Venue: ICCU and Ward 5th Floor

### **Clinical Grand Round**

Thursday: 10 a.m.–12 noon

The ward rounds in other wards are taken between 11 a.m. and 1 p.m. by different units. During their CCU and ward postings, DNB students attend ward rounds of the units to which they are attached.

### **Postings**

DNB students in the Department of Medicine rotate through the Department of Cardiology for 3 months during their training. They spend 5 weeks in the wards, 5 weeks in the CCU and 2 weeks in the non-invasive cardiac laboratory. They also spend 4 weeks in paediatric cardiology and cardiac surgery.

During their postings in the CCU and wards, they are expected to work-up the cardiac patients and present them during ward rounds. They are encouraged to read about specific clinical problems and discuss them with consultants.

During their non-invasive cardiac laboratory posting, they are encouraged to closely observe Echocardiography, Stress testing, Stress echo and Holter monitoring and interact with consultants working in the laboratory. In general, the students are not given an OPD posting unless the department is short of staff.

*Advisor:* Dr M. DEWAN

*Chairperson:* Dr VINOD VERMA

The Department of Dental Surgery does not have a DNB programme, but is planning to start one soon. The department, however, holds monthly seminars which are given by the consultants and attended by the staff. The consultants of the department are academically active.

### **Seminar**

Time: 1:30 p.m.–2 p.m., 1st Tuesday

Venue: Seminar Room

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
07.01.14	Impression in complete dentures	Dr S. Datta
04.02.14	Post and core	Dr V. Sethi
04.03.14	Advances in orthodontics	Dr J. Verma
01.04.14	Are implants a necessity or luxury?	Dr A. Razdan
06.05.14	Impression in complete dentures	Dr A. Sethi
03.06.14	Treatment of osteomyelitis	Dr Sunitha G.

*Chairperson:* Dr S.C. BHARIJA

The Department of Dermatology does not have the infrastructure for a DNB programme.

The department has three senior consultants and one junior consultant. All the programmes of the department such as Journal Clubs, Grand Medical Rounds, yearly medicine updates, etc. are carried out under the aegis of the Department of Medicine.

*Chairperson:* Dr (COL) SURENDER KUMAR

*Teaching Coordinator:* Dr SUDHIR TRIPATHI

The DNB students attend morning meetings, Journal Clubs, bedside long case discussions, histopathology round and seminars. They are also involved in endocrine clinics and in carrying out various procedures under the supervision of consultants.

### **Morning Meeting**

The consultant and residents of the department meet in the Endocrinology duty room at 9 a.m. for half an hour every day to discuss the admissions, discharges and any death which may have occurred the previous day.

### **Seminar**

Time: 5 p.m.–5:45 p.m., every Monday

Venue: Seminar Room, 2nd Floor

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
06.01.14	T1DM—pathophysiology and treatment	Dr Ashutosh Goyal	Dr S. Kumar
13.01.14	T2DM—pathophysiology and treatment	Dr Robin Maskey	Dr S. Tripathi
20.01.14	Young onset diabetes	Dr Tarun Varma	Dr S. Kumar
27.01.14	Gestational diabetes mellitus	Dr Roopal Panchani	Dr S. Tripathi
03.02.14	Newer treatment of diabetes	Dr Ashutosh Goyal	Dr S. Kumar
10.02.14	Management of thyrotoxicosis in pregnancy	Dr Robin Maskey	Dr S. Tripathi
17.02.14	Management of thyrotoxicosis in children	Dr Tarun Varma	Dr S. Kumar
24.02.14	Management of thyroid neoplasms	Dr Roopal Panchani	Dr S. Tripathi
03.03.14	Medullary thyroid carcinoma/ MEN	Dr Ashutosh Goyal	Dr S. Kumar
10.03.14	Polyendocrine disorders	Fellow	Dr S. Tripathi
17.03.14	Management of hypopituitarism	DNB 1st year	Dr S. Kumar
24.03.14	Imaging of pituitary	Dr Ashutosh Goyal	Dr S. Tripathi
31.03.14	Management of hyperprolactinaemia	Fellow	Dr S. Kumar
07.04.14	Management of acromegaly	DNB 1st year	Dr S. Tripathi
14.04.14	Management of Cushing syndrome	Dr Ashutosh Goyal	Dr S. Kumar

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
21.04.14	Adrenal incidentaloma	Fellow	Dr S. Tripathi
28.04.14	Central precocious puberty	DNB 1st year	Dr S. Kumar
05.05.14	Peripheral precocious puberty	Dr Ashutosh Goyal	Dr S. Tripathi
12.05.14	Delayed puberty	Fellow	Dr S. Kumar
19.05.14	Rickets	DNB 1st year	Dr S. Tripathi
26.05.14	Management of hypercalcaemia	Dr Ashutosh Goyal	Dr S. Kumar

### Journal Club

Time: 5:45 p.m.–6:15 p.m., every Monday

Venue: Seminar Room, 2nd Floor

**4 Journals** : *The Journal of Clinical Endocrinology and Metabolism (JCEM)*  
*The New England Journal of Medicine (NEJM)*  
*The LANCET*  
*Indian Journal of Endocrinology and Metabolism (IJEM)*

**Speaker** : Dr Ashutosh Goyal/ Dr Robin Maskey/ Dr Tarun Varma/  
*(alternate weeks)* Dr Roopal Panchani/ New Fellow/ DNB 1st year

**Moderator** : Dr Surender Kumar/ Dr Sudhir Tripathi

### Case Presentation

Time: 9 a.m.–10 a.m., every Wednesday

Venue: Endocrinology Duty Room (1115)

**Speaker** : Dr Ashutosh Goyal/ Dr Robin Maskey/ Dr Tarun Varma/  
*(alternate turn)* Dr Roopal Panchani/ New Fellow/ DNB 1st year

**Moderator** : Dr Surender Kumar/ Dr Sudhir Tripathi

### Hormone Lab Round

Time: 12.30 p.m, alternate Thursdays

Venue: Department of Nuclear Medicine/ IVF/ Biochemistry

This round is helpful for DNB students to review and interpret all the investigations done in the past 15 days.

### Recent Advances in Endocrinology

Time: 9 a.m., 1st week on Monday (once every month)

Venue: Seminar Room/ Auditorium

**Endocrinology Round**

Time: 2 p.m.–3 p.m., twice a week

Venue: Seminar Room/ Auditorium

**Ward Round**

Time: 9 a.m.–12 noon, daily

Venue: 2nd CD

**Major Postings**

Ward posting

OPD

IVF department

Nephrology

Neurology

Neurosurgery

Ophthalmology

Radiology

Pathology

Vascular surgery

Genetic Medicine

Biochemistry

Nuclear Medicine

**National and International Conferences**

DNB candidates are sent to attend national and international conferences by rotation at least once a year.

*Advisor:* Dr S.K. SAMA

*Chairperson:* Dr ANIL ARORA

*Teaching Coordinator:* Dr ASHISH KUMAR

### **Journal Club**

Time: 12 noon–1 p.m., Tuesday

Venue: Board Room

<i>Date</i>	<i>Presenter</i>	<i>Moderator</i>
25.02.14	Dr Rinkesh Kumar Bansal	Dr Praveen Sharma
11.03.14	Dr Varun Gupta	Dr Pankaj Tyagi
25.03.14	Dr Vinit Shah	Dr Naresh Bansal
08.04.14	Dr Vinit Shah	Dr Vikas Singla
22.04.14	Dr Varun Gupta	Dr Praveen Sharma
06.05.14	New SR-1	Dr Pankaj Tyagi
20.05.14	New SR-2	Dr Naresh Bansal
03.06.14	New SR-1	Dr Vikas Singla
17.06.14	New SR-2	Dr Praveen Sharma

The discussion will be presented by a senior resident and moderated by a faculty member.

### **Seminar**

Time: 12 noon–1 p.m., alternate Tuesday

Venue: Board Room

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
21.01.14	Pathogenesis of primary sclerosing cholangitis and advances in diagnosis and management	Dr Varun Gupta	Dr Mandhir Kumar
04.02.14	Tumour necrosis factor inhibitors for inflammatory bowel disease	Dr R.K. Bansal	Dr Vikas Singla
18.02.14	Current status of stem cells in liver diseases	Dr Vinit Shah	Dr Ashish Kumar
04.03.14	Celiac disease: Pathogenesis and newer advances in management	Dr Varun Gupta	Dr Piyush Ranjan
18.03.14	Therapeutic advances in pancreatic cancer	Dr R.K. Bansal	Dr Mandhir Kumar



<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
01.04.14	Anticoagulation in patients with liver cirrhosis	Dr Vinit Shah	Dr Ashish Kumar
15.04.14	New therapeutic paradigm for patients with cirrhosis	Dr Varun Gupta	Dr M. Sachdeva
29.04.14	Intestinal microbiota in functional bowel disorders	Dr R.K. Bansal	Dr Piyush Ranjan
13.05.14	Endoscopic management of necrotizing pancreatitis	Dr Varun Gupta	Dr Mandhir Kumar
27.05.14	Bacterial infections in end-stage liver disease: Current challenges and future directions	Dr Vinit Shah	Dr Ashish Kumar
10.06.14	New insight into the pathobiology of hepatitis B virus infection	Dr R.K. Bansal	Dr M. Sachdeva
24.06.14	Management of chronic pancreatitis	Dr Vinit Shah	Dr Piyush Ranjan

### Case Presentation

Time: 12 noon–1 p.m.

Venue: Board Room

<i>Date</i>	<i>Day</i>	<i>Presenter</i>
03.01.14	(Fri)	Dr Mohan Goyal
07.01.14	(Tues)	Dr Vijendra Kirnake
10.01.14	(Fri)	Dr Mohan Goyal
14.01.14	(Tues)	Dr Vijendra Kirnake
17.01.14	(Fri)	Dr Mohan Goyal
24.01.14	(Fri)	Dr Vijendra Kirnake
28.01.14	(Tues)	Dr Mohan Goyal
31.01.14	(Fri)	Dr Vijendra Kirnake
07.02.14	(Fri)	Dr Mohan Goyal
11.02.14	(Tues)	Dr Vijendra Kirnake
14.02.14	(Fri)	Dr Mohan Goyal
21.02.14	(Fri)	Dr Vijendra Kirnake
28.02.14	(Fri)	Dr Mohan Goyal
07.03.14	(Fri)	Dr Rinkesh Kumar Bansal
14.03.14	(Fri)	Dr Vinit Shah
21.03.14	(Fri)	Dr Varun Gupta
28.03.14	(Fri)	Dr Rinkesh Kumar Bansal
04.04.14	(Fri)	Dr Varun Gupta

<i>Date</i>	<i>Day</i>	<i>Presenter</i>
11.04.14	(Fri)	Dr Rinkesh Kumar Bansal
18.04.14	(Fri)	Dr Vinit Shah
25.04.14	(Fri)	Dr Vinit Shah
02.05.14	(Fri)	Dr Varun Gupta
09.05.14	(Fri)	Dr Rinkesh Kumar Bansal
16.05.14	(Fri)	Dr Vinit Shah
23.05.14	(Fri)	Dr Varun Gupta
30.05.14	(Fri)	Dr Rinkesh Kumar Bansal
06.06.14	(Fri)	Dr Vinit Shah
13.06.14	(Fri)	Dr Varun Gupta
20.06.14	(Fri)	Dr Rinkesh Kumar Bansal
27.06.14	(Fri)	Dr Varun Gupta

**CPC**

Time: 3 p.m.–4 p.m., 3rd Tuesday

Venue: Seminar Room

**Postings**

All senior residents/ DNB students will be posted in the Endoscopy Room/ ERCP and OPD by rotation.

*Chairperson:* Dr VIJAY ARORA

*Teaching Coordinator:* Dr R. SARANGI

The academic programme for postgraduate students includes formal lectures, case discussions, seminars, Journal Clubs, experience in the wards and outpatient department, and in the operation theatre. Seminars/ Journal Clubs are held on a weekly basis in which a postgraduate student, assisted by a consultant, presents a surgical topic.

### **Requirements**

*Log books:* Postgraduate students record all operations (assisted or performed) in their log books which are countersigned by the consultants.

*Case records:* The postgraduates record daily case notes as well as admission case notes in the patients' case sheets.

*Attendance:* A minimum attendance of 75% is mandatory.

### **Examinations**

*Board examinations:* The DNB examinations in General Surgery are normally held twice a year. Our postgraduate students take the examination in August. Only one batch of students is admitted per year.

*Internal examinations:* Internal examinations are held twice a year. The examination is based on the format of the DNB examinations.

### **Duties**

Postgraduate students of all years perform on-call duties which average 6 per month under the guidance of a senior resident. The duties involve attending to emergencies in the ward as well as in the casualty.

### **Outpatient Teaching Schedule**

Postgraduate students attend outpatient clinics thrice a week along with the rest of the unit in which they are posted.

### **Teaching Ward Rounds**

In addition to daily ward rounds, teaching ward rounds are conducted by the consultants as per the following schedule.

### **Operation Theatre**

Postgraduate students attend the operation theatres twice a week where they assist in or perform operations under supervision.

### Formal Lecture/Case Presentation

<i>Day</i>	<i>Time</i>	<i>Consultant</i>
Monday	3 p.m.–4 p.m.	Dr R. Sarangi, Dr B.B. Agarwal, Dr P. Jindal
Wednesday	3 p.m.–4 p.m.	(Operative surgery, X-ray demonstration, specimen) Unit–I/ II/ III
Friday	11:30 a.m.–12:30 p.m.	Clinical Combined Round—Surgical Rounds 2nd Friday—Dr V. Arora Unit–II 3rd Friday—Dr V.K. Malik Unit–III
	3 p.m.–4 p.m.	Dr Vijay Arora, Dr V.K. Malik, Dr C.S. Ramachandran, Dr T. Mustafa
Saturday	1:15 p.m.–2 p.m.	Seminars/ Journals/ Faculty lectures

### Postings

Postgraduate students rotate through the various surgical specialties as per the following schedule:

<i>Posting</i>	<i>Duration</i>
Parent Surgical Unit	1 year 6 months
Surgical Gastroenterology	2 months
Urology	1 month
CTVS	1 month
Other Surgical Units	6 months (3 + 3)
Parent Surgical Units	4 months
Plastic Surgery	1 month
Paediatric Surgery	1 month
Neurosurgery	2 weeks
Orthopaedics	2 weeks
ICU	2 weeks
Pathology	2 weeks

### Training programme for the super-specialty students (Plastic Surgery, Paediatric Surgery, Cardiac Surgery)

Students from these specialties while on rotation will attend the regular teaching programmes of the department.

*The following subjects will be covered during their stay in the department*

Inflammation, Abscess, Cellulitis, Sepsis, Shock, Haemorrhage, Wound healing, Tumours – Benign and Malignant, Systemic General Surgery – Overview (Abdominal wall, GI, Hepatobiliary – Pancreatic, Genitourinary, Thyroid, Breast, Regional lymph nodes, Upper and lower limbs).

*Lectures on the following topics will be delivered by the faculty members*

- Abdominal wall anatomy, its relevance in relation to abdominal wall hernia
- Septic shock: Pathophysiology and its management
- Anatomy of venous system of lower limb and management of chronic venous insufficiency
- Buerger's disease
- Lymphatic drainage of the breast. Discuss the concept of sentinel node biopsy in breast cancer
- Parotid tumours. Management of high-grade parotid tumours presenting with facial palsy.

### **Seminar/Journal Club**

Time: 1:15 p.m. (every Saturday)

Venue: Seminar Room/Auditorium

<i>Date</i>	<i>Topic</i>	<i>PG</i>	<i>Moderator</i>
04.01.14	Journal Club	Dr M. Pulle	Dr Vijay Arora
11.01.14	Anatomy of anal canal. How does this influence the pathogenesis and classification of anal fistula and management	Faculty Lecture	Dr Taha Mustafa
18.01.14	Causes and treatment of metabolic acidosis	Dr K. Goyal	Dr Vinod K. Malik
25.01.14	Describe the factors affecting wound healing	Dr S. Bishnoi	Dr R. Sarangi
01.02.14	Journal Club	Dr G. Kumar	Dr Ramachandran
08.02.14	Biochemical diagnosis, clinical features and management of Cushing syndrome	Faculty Lecture	Dr Manish Gupta
15.02.14	Clinical features and management of gas gangrene	Dr K. Goyal	Dr Brij B. Agarwal
22.02.14	Complications and management of laparoscopic cholecystectomy	Dr S. Bishnoi	Dr Pramoj Jindal
01.03.14	Indications of renal transplantation. Describe various types of graft	Dr J. Dipak	Dr Tarun Mittal
08.03.14	Describe damage control surgery	Dr R. Siddhartha	Dr Srikrishna Das
15.03.14	Management of a patient with suspected carotid tumours—pathology, features and management of carotid body tumour	Dr G. Kumar	Dr Ashish Dey

<i>Date</i>	<i>Topic</i>	<i>PG</i>	<i>Moderator</i>
22.03.14	Journal Club	Dr M. Pulle	Dr Vijay Arora
29.03.14	Differentiate between primary and secondary brain injury after head injury	Faculty Lecture	Dr Vinod K. Malik
05.04.14	Journal Club	Dr J. Dipak	Dr R. Sarangi
12.04.14	Classify salivary gland tumours. Discuss the management of a pleomorphic adenoma of parotid gland	Dr R. Siddhartha	Dr Ramachandran
19.04.14	Role of porto-systemic shunts in the diagnosis and management of hepatic venous outflow obstruction	Faculty Lecture	Dr Ashish Dey
26.04.14	Diagnosis and management of Hirschsprung disease	Dr M. Pulle	Dr Pramoj Jindal
03.05.14	Management of lymphoedema of the lower limb	Dr G. Kumar	Dr Taha Mustafa
10.05.14	Various anomalies of the biliary system and their significance during surgery	Dr J. Dipak	Dr Manish Gupta
17.05.14	Journal Club	Dr R. Siddhartha	Dr Tarun Mittal
24.05.14	Investigations and treatment of carcinoma head of pancreas	Faculty Lecture	Dr Brij B. Agarwal
31.05.14	Role of pathophysiology, features and management of tension pneumothorax	Dr M. Pulle	Dr Srikrishna Das

*Chairperson:* Dr MANORAMA BHARGAVA

*Teaching Coordinator:* Dr JASMITA

Time: 2:15 p.m.–3 p.m., Tuesday and Friday

Venue: Residents' Reporting Room, Department of Haematology

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
03.01.14	Clinical case study	Dr M. Bhargava
07.01.14	Clinical and laboratory spots	Dr Jasmita
10.01.14	Timed slide seminar followed by discussion	Dr Amrita Saraf
17.01.14	Clinical case presentation	Dr Shyam/ Dr M. Bhargava
20.01.14	Departmental cases	
21.01.14	Practical assessment: Special stains	Dr Sabina Langer Kr.
24.01.14	Timed slide seminar followed by discussion	Dr M. Bhargava
28.01.14	Practical assessment: Coagulation exercise	Dr Jasmita
31.01.14	Case study	Dr Amrita Saraf
04.02.14	Clinical and laboratory spots	Dr Sabina Langer Kr.
07.02.14	Timed slide seminar followed by discussion	Dr Jasmita
11.02.14	Clinical case presentation	Dr N. Radhakrishnan/ Dr M. Bhargava
14.02.14	Subject viva	All consultants
18.02.14	Timed slide seminar followed by discussion	Dr Sabina Langer Kr.
21.02.14	Case study	Dr Amrita Saraf
25.02.14	Technique discussion: Flowcytometric enumeration of CD34 <sup>+</sup> HSCs	Dr Jasmita
28.02.14	Spots	Dr Jasmita
04.03.14	Microteaching: Haemtogones	Dr Meenal Mehta
07.03.14	Journal Club	Dr Jasmita
11.03.14	Topic discussion: Diagnosis and treatment of PNH	New DNB
14.03.14	Timed slide seminar followed by discussion	Dr Jasmita
18.03.14	Microteaching: Atypical HUS	Dr Aastha Gupta
20.03.14	Departmental cases	
21.03.14	Journal Club	Dr Amrita Saraf
25.03.14	Theory: Short assessment	Dr Jasmita
28.03.14	Topic discussion: Non-CML MPNs	Dr Archana
01.04.14	Case study	Dr M. Bhargava
04.04.14	Discussion: Molecular basis of haemophilia and vWD	Dr Vandana Arya

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
08.04.14	Technique discussion: Coagulation tests	Dr Jasmita
11.04.14	Timed slide seminar followed by discussion	Dr Amrita Saraf
15.04.14	Microteaching: Pharmacogenomics in warfarin	New DNB
18.04.14	Guest lecture: Molecular diagnosis of haemoglobinopathies	Dr Renu Saxena
22.04.14	Practical assessment: Spots	Dr Sabina Langer Kr.
25.04.14	Journal Club	Dr Jasmita
29.04.14	Microteaching: Platelet function test	Dr Meenal Mehta
01.05.14	Case study	Dr Amrita Saraf
06.05.14	Technique discussion: OFT/ HPLC	Dr Amrita Saraf
09.05.14	Topic discussion: Systemic amyloidosis— AL type	New DNB
13.05.14	Exercise: MPO, PAS	
16.05.14	Timed slide seminar followed by discussion	Dr Sabina Langer Kr.
20.05.14	Guest lecture: Stem cell transplantation in multiple myeloma	Dr Shyam Aggarwal
22.05.14	Departmental cases	
23.05.14	Theory: Short assessment	Dr Jasmita
27.05.14	Microteaching: Iron chelators	Dr Aastha Gupta
30.05.14	Spots	Dr Jasmita

*Please note:* All the above-mentioned activities except guest lectures/ departmental cases will be held in the Residents' Reporting Room of the Department of Haematology from 2:15 p.m. to 3 p.m.

### **Guest Lecture**

Will be held in the Seminar Room (near Library).

### **Thursday Pathology Meet (Haematology)**

Will be held on 3rd Thursday of alternate month in the Seminar Room at 2:15 p.m.

### **Combined Journal Club (in rotation with the Department of Pathology and Blood Bank)**

Will be held on 2nd Thursday of every month in the Board Room at 2:15 p.m.



*Head of the Department:* Dr V.K. KAPUR

*Teaching Coordinator:* Dr SUCHITA KATOCH

The curriculum of DNB Hospital Administration aims to make the trainee knowledgeable about the basic principles of management, improve their skills in the art and science of management. It also aims to give them a comprehensive working of the elements of hospital functioning, functioning of various departments and facilities with a special understanding of the matrix of their interdependence.

Trainees are required to learn:

1. To be able to understand the various processes of hospital functioning.
2. To acquire the art and science of management.
3. To acquire skills to identify bottlenecks and problems in hospital processes and work out solutions for them.
4. To create quality, efficiency and effectiveness of tasks at various levels of functioning.
5. To identify challenges in the hospital system and propose growth and development in the wake of changing hospital scenario.
6. To be proficient in all modern management techniques and their application in day-to-day affairs of the hospital.
7. To review the literature and modern developments in healthcare with emphasis on hospital care.
8. To acquire teaching skills and data presentation and to be the source of knowledge transfer and technical skills to PG students, interns, residents and nursing students.
9. To acquire skills of resource methodology and to be able to conduct research in hospital processes and related topics.
10. To be highly competent in the field of hospital administration.
11. To be able to function independently as hospital administrator in a teaching/non-teaching/public or private hospital.

### **Trainees will**

- Do ward rounds and rounds of the hospital.
- Be posted in rotation to different areas of the hospital.
- Attend administrative morning rounds conducted everyday except on Wednesday.
- Attempt at least two theory assignments every month on the topics covered.
- Discuss important administrative issues, problems, opportunities for improvement and corrective measures with the faculty.
- Attend the administrative meeting held every Wednesday.
- Carry out any other work assigned from time to time in an effective and efficient manner.

### Teaching Schedule

1. Administrative morning rounds	Everyday except Wednesday
2. Journal Club/ Seminars	Once fortnightly
3. Teaching sessions	1–2 hours every other day
4. Hospital administration faculty meeting	Once fortnightly and SOS

### Seminar/ Journal Club

Day: Alternate Wednesdays

<i>Date</i>	<i>Speaker</i>	<i>Moderator</i>
08.01.14	DNB Student	Dr V.K. Kapur
22.01.14	DNB Student	Dr V.K. Kapur
05.02.14	DNB Student	Dr Reena Kumar
19.02.14	DNB Student	Dr Reena Kumar
05.03.14	DNB Student	Dr Suchita Katoch
19.03.14	DNB Student	Dr Suchita Katoch
09.04.14	DNB Student	Dr Ruby Sahney
23.04.14	DNB Student	Dr Ruby Sahney
07.05.14	DNB Student	Dr Jyoti Randhawa
21.05.14	DNB Student	Dr Jyoti Randhawa
11.06.14	DNB Student	Dr Shalini Chawla
25.06.14	DNB Student	Dr Shalini Chawla

### Academic schedule for DNB Hospital and Health Administration (January 2014–June 2014)

For admission year 2012  
4th Semester (January 2014–June 2014)

- Health economics
- Population dynamics
- National health programmes
- Communication and health education
- International health
- Risk management
- Industrial relations
- HIS
- Quantitative methods of management, modern management techniques
- PPP models
- Marketing management

**Posting in various areas for 6 months [4th Semester]  
(January 2014–June 2014) for admission year 2012**

<b>January</b>	
01.01.14–15.01.14	Maintenance store
16.01.14–31.01.14	Stationery store
<b>February</b>	
01.02.14–15.02.14	Mortuary protocols
16.02.14–28.02.14	Boiler, ETP
<b>March</b>	
01.03.14–15.03.14	Cash, accounts, billing
16.03.14–31.03.14	PRO activities
<b>April</b>	
01.04.14–15.04.14	To study parking systems in the hospital
16.04.14–30.04.14	Security
<b>May</b>	
01.05.14–15.05.14	Fire fighting/ fire office
16.05.14–31.05.14	Receiving section
<b>June</b>	
01.06.14–15.06.14	To work in close liaison with organ transplant coordinator
16.06.14–30.06.14	To work in close liaison with organ transplant coordinator

**For admission year 2013**

***2nd Semester (January 2014–June 2014)***

- Developments of management concepts
- Management functions and tools
- Fundamentals of planning and decision-making
- Organization structure and functions
- Basics of computer
- Communication
- Organization behaviour and group dynamics
- MIS
- Material management

**Posting in various areas for 6 months [2nd Semester]  
(January 2014–June 2014) for admission year 2013**

<b>January</b>	
01.01.14–15.01.14	CSSD, Manifold
16.01.14–31.01.14	5th Floor SSRB, OT store
<b>February</b>	
01.02.14–15.02.14	Laundry, Linen store, Housekeeping Department
16.02.14–28.02.14	Cardiac Centre, Cath Laboratories, Cardiac OTs
<b>March</b>	
01.03.14–15.03.14	Pharmacy (all sections)
16.03.14–31.03.14	Lithotripsy, Cash Counter (Pharmacy)
<b>April</b>	
01.04.14–15.04.14	Level-II SSRB and Level-III SSRB
16.04.14–30.04.14	Endoscopy Labs (3rd Floor, Main Building), Vascular Lab
<b>May</b>	
01.05.14–15.05.14	MRD and HIS (Computer Section)
16.05.14–31.05.14	Labour Room, IVE, MtySP, SNH
<b>June</b>	
01.06.14–15.06.14	Paediatrics, Thalassaemia, Nursery
16.06.14–30.06.14	Nephrology, Dialysis, Uroflowmetry

*Director:* Dr P.K. PRUTHI

## **NEONATOLOGY**

*Chairperson:* Dr NEELAM KLER

*Teaching Coordinator:* Dr PANKAJ GARG

The DNB Neonatology programme has been running in the department for the past 8 years. Department has also started NNF fellowship (1 year) from the year 2012 in which two students are enrolled every year. DNB students from the Department of Paediatrics come for rotation for a period of 6 months out of their total posting of 3 years in Paediatrics. There is a morning round in which all patients are discussed in detail. Case presentation is done periodically.

DNB students from the Department of Gynaecology and Obstetrics are posted with us for a period of 2 weeks and selected topics are taught to them by the consultants of the department.

The department is also involved in the teaching programme of the nurses posted in the department. Every Thursday between 1 p.m. and 2 p.m., one of the consultants takes their class on relevant topics. These classes are also attended by the residents of the department.

Department has regular observers which are trained in the department for three months.

### **Teaching Schedule**

The curriculum of the department aims to make the trainees independent clinicians/ consultants.

Departmental seminar	Twice a week (Monday and Wednesday, 2 p.m.–3 p.m., Seminar room)
Fellows' Theory test	Every Friday 3 p.m.
Combined conference with Paediatrics	Once a week (Friday, 2 p.m.–3 p.m., Working Women's Hostel)
Journal Club: Neonatology	Twice a month (Monday)
NICU statistics meeting	Every 15th of the month
Neonatology case presentation	Twice a week (Tuesday, Thursday, bedside)
Perinatology meeting	Once a month (2nd Tuesday, WWH)

<i>Date</i>	<i>Topic</i>	<i>Moderator</i>
01.01.14	Neonatal seizures	Dr Neelam Kler
06.01.14	Evidence-based medicine	Dr Satish Saluja
08.01.14	Approach to a neoante with cyanosis	Dr Pankaj Garg
13.01.14	Randomized controlled trial	Dr Arun Soni
15.01.14	Congenital malformations in neonates: How to resuscitate	Dr Anup Thakur
20.01.14	Neonatal arrhythmia: Aetiopathogenesis and management	Dr Manoj Modi
22.01.14	Approach to antenatal hydronephrosis	Dr Neelam Kler
27.01.14	Hyperammonemia and its management	Dr Satish Saluja
29.01.14	Journal Club	Dr Pankaj Garg
03.02.14	Management of CTEV	Dr Arun Soni
05.02.14	EEG and anticonvulsant therapy in neonatal seizures	Dr Anup Thakur
10.02.14	Approach to a neonate with congenital malformation	Dr Manoj Modi
12.02.14	Blood product transfusion guidelines	Dr Neelam Kler
17.02.14	Prenatal USG and Doppler	Dr Satish Saluja
19.02.14	Acyanotic heart disease	Dr Pankaj Garg
24.02.14	Neonatal hip examination and DDH	Dr Arun Soni
26.02.14	Pain management in neonatology	Dr Anup Thakur
03.03.14	Role of erythropoietin in neonatal anaemia	Dr Manoj Modi
05.03.14	Journal Club	Dr Neelam Kler
10.03.14	Blood product transfusion guidelines	Dr Satish Saluja
12.03.14	Foetal therapy	Dr Pankaj Garg
17.03.14	An infant of diabetic mother	Dr Arun Soni
19.03.14	Research methodology—which statistical test to apply	Dr Anup Thakur
24.03.14	Prenatal diagnosis	Dr Manoj Modi
26.04.14	Physiology of foetal circulation and changes at birth	Dr Neelam Kler
02.04.14	RTA in neonates	Dr Satish Saluja
07.04.14	Free radicals and role of antioxidants	Dr Pankaj Garg
09.04.14	Alternative modes of mechanical ventilation in preterm neonates	Dr Arun Soni
14.04.14	Adjuvant therapy in neonatal sepsis	Dr Anup Thakur
16.04.14	Journal Club	Dr Manoj Modi
21.04.14	Role of vitamin A in prevention of CLD	Dr Neelam Kler
23.04.14	Amniotic fluid disorders	Dr Satish Saluja

<i>Date</i>	<i>Topic</i>	<i>Moderator</i>
28.04.14	Skin preparation in neonates	Dr Pankaj Garg
30.04.14	BPD—prevention and management	Dr Arun Soni
05.05.14	BPD—pathophysiology and staging	Dr Anup Thakur
07.05.14	Hyperglycaemia with neonatal diabetes	Dr Manoj Modi
12.05.14	Journal Club	Dr Neelam Kler
14.05.14	BactAalert system of blood culture—new dimensions	Dr Satish Saluja
19.05.14	Facility-based newborn care	Dr Pankaj Garg
21.05.14	Neonatal thrombocytopenia	Dr Arun Soni
26.05.14	Perinatal stem cell transplantation	Dr Anup Thakur
28.05.14	Physiology of haematopoiesis	Dr Manoj Modi
02.06.14	Community-based intervention in neonatology	Dr Neelam Kler
04.06.14	Journal Club	Dr Satish Saluja
09.06.14	Role of steroids in neonates	Dr Pankaj Garg
11.06.14	Antenatal Dopplers—interpretation and outcomes	Dr Arun Soni
16.06.14	Feeding of LBW	Dr Anup Thakur
18.06.14	Maternal thyroid disorders and impact on foetus	Dr Manoj Modi
23.06.14	Down syndrome	Dr Anup Thakur
25.06.14	Congenital goitre	Dr Manoj Modi

*Chairperson:* Dr R. KULSHRESTHA

*Teaching Coordinator:* Dr ALPANA PRASAD

The Department of Paediatric Surgery runs the DNB course with one candidate to be admitted every year. Postgraduates from General Surgery and Paediatrics are also required to be taught topics in Paediatric Surgery.

The department has four operating days—Monday, Wednesday, Thursday and Saturday. Free OPD is held on all days.

### **Teaching Schedule/Case presentation**

Teaching programme for postgraduate students

Seminar	Every Tuesday (12 noon–1 p.m.)
Clinical meeting with the Department of Paediatrics	Every Friday (2 p.m.–3 p.m.)

### **Duties**

Postgraduates are on call from the Department of Paediatric Surgery every day.

### **Outpatient Teaching Schedule**

Postgraduate students attend outpatient clinics thrice a week along with the rest of the unit in which they are posted.

### **Requirements**

*Log book:* Postgraduates are required to record all operations (assisted or performed) in their log book which is countersigned by consultants.

### **Seminar**

Time: 12 noon–1 p.m., Tuesday, Friday

Venue: Seminar Room/ Paediatric Surgery Office

<i>Date</i>	<i>Topics</i>	<i>Speaker</i>	<i>Moderator</i>
03.01.14	Case presentation	Sugandh	Dr Alpina Prasad
07.01.14	Sutures and needles	Vivek	Dr R. Kulshrestha
14.01.14	Case presentation (Abdominal lump)	Mrinal	Dr R. Kulshrestha
17.01.14	Journal Club	Sugandh	Dr Alpina Prasad
21.01.14	Nutrition in surgical patient	Mrinal	Dr Alpina Prasad
28.01.14	Cysts of lungs and mediastinum	Sugandh	Dr R. Kulshrestha
31.01.14	Case presentation (Swelling—cervical lymph node)	Vivek	Dr Alpina Prasad



<i>Date</i>	<i>Topics</i>	<i>Speaker</i>	<i>Moderator</i>
04.02.14	Wound healing	Mrinal	Dr Alpana Prasad
11.02.14	Case presentation (Anorectal malformation)	Sugandh	Dr R. Kulshrestha
14.02.14	Inguinal swellings	Vivek	Dr R. Kulshrestha
18.02.14	Case presentation (Renal lump)	Mrinal	Dr Alpana Prasad
25.02.14	Genitourinary tract trauma	Sugandh	Dr Alpana Prasad
28.02.14	Basics of obstructive uropathy	Sharat	Dr R. Kulshrestha
04.03.14	Case presentation	Sugandh	Dr Alpana Prasad
11.03.14	Stoma	Vivek	Dr Alpana Prasad
14.03.14	Case presentation (Peripheral vascular disease)	Mrinal	Dr R. Kulshrestha
18.03.14	Gastrointestinal bleeding	Sugandh	Dr R. Kulshrestha
25.03.14	Case presentation (Cystic hygroma)	Vivek	Dr Alpana Prasad
28.03.14	Surgical infections and antibiotics	Mrinal	Dr Alpana Prasad
01.04.14	Case presentation	Sugandh	Dr R. Kulshrestha
08.04.14	Neonatal jaundice	Vivek	Dr R. Kulshrestha
11.04.14	Pelviureteric junction obstruction	Sharat (SR)	Dr Alpana Prasad
15.04.14	Abdominal trauma	Sugandh	Dr Alpana Prasad
22.04.14	Case presentation	Vivek	Dr R. Kulshrestha
25.04.14	Haematological principles in surgery	Mrinal	Dr R. Kulshrestha
29.04.14	Journal Club	Sugandh	Dr Alpana Prasad
06.05.14	Umbilicus	Vivek	Dr Alpana Prasad
09.05.14	Case presentation	Sugandh	Dr Alpana Prasad
13.05.14	Neonatal intestinal obstruction	Mrinal	Dr R. Kulshrestha
20.05.14	Case presentation	Vivek	Dr R. Kulshrestha
23.05.14	Neuroblastoma	Sugandh	Dr Alpana Prasad
27.05.14	Case presentation	Mrinal	Dr Alpana Prasad
03.06.14	Undescended testis, torsion	Vivek	Dr R. Kulshrestha
06.06.14	Case presentation	Sugandh	Dr Alpana Prasad
10.06.14	Shock	Mrinal	Dr Alpana Prasad
17.06.14	Vesicoureteric reflux	Sharat (SR)	Dr R. Kulshrestha
20.06.14	Basics of ventilation	Sugandh	Dr R. Kulshrestha
24.06.14	Case presentation	Mrinal	Dr Alpana Prasad

*Director and Teaching Coordinator:* Dr P.K. PRUTHI

*Chairperson:* Dr V.K. KHANNA

Topics allotted for lectures for this session will cover some aspects of General Paediatrics, Haematology, GIT, Nephrology, Cardiology, Rheumatology, Infectious Diseases, Psychiatry, Pulmonology and Neurology. Most of the selected topics are those which have not been discussed in the past 2–3 sessions.

### Requirements

Postgraduate students maintain a log book to record the cases discussed (or presented), procedures done (or assisted), clinical meetings or lectures attended.

Attendance requirements are as per the hospital rules.

### Examinations

Examinations are held every two months.

### Teaching Schedule

Clinical meeting	Every Friday
Journal Club	Once a month
Lecture (schedule listed below)	Every Tuesday
Beside case discussion	Daily
Perinatology meeting	2nd Tuesday of the month
Grand round	Every Saturday
Clinical case meeting	Every Thursday

### Lecture

Time: 12 noon–1 p.m., every Tuesday

Venue: Department of Paediatrics

<i>Date</i>	<i>Topic</i>	<i>Moderator</i>	<i>Resident</i>
07.01.14	Autistic spectrum disorder	Dr Praveen Suman	Dr Utsav
14.01.14	Mental retardation	Dr R.K. Sabharwal	Dr Nupur
21.01.14	Child abuse and maltreatment	Dr Deepak Gupta	Dr Jyoti
28.01.14	Vitamins, minerals and trace elements	Dr Dinesh Kaul	Dr Santhi
04.02.14	PEM	Dr V.K. Khanna	Dr Kalyan
11.02.14	Obesity	Dr Archana D. Arya	Dr Rajat
18.02.14	Shock	Dr Anil Sachdev	Dr Yogesh
25.02.14	Pathogenesis and management of pain in infants and children	Dr Suresh Gupta	Dr Kishore

<i>Date</i>	<i>Topic</i>	<i>Moderator</i>	<i>Resident</i>
04.03.14	Hepatic failure	Dr Nishant Wadhwa	Dr Utsav
11.03.14	Renal function tests	Dr P.K. Pruthi	Dr Nupur
18.03.14	Liver function tests	Dr Nishant Wadhwa	Dr Jyoti
25.03.14	Pulmonary function tests	Dr Dhiren Gupta	Dr Santhi
01.04.14	JRA	Dr Sujata Sawhney	Dr Kalyan
08.04.14	Cranial nerves, their pathways and lesions	Dr Praveen Kr. Singh	Dr Rajat
15.04.14	Anaemia and its management	Dr Anupam Sachdeva	Dr Yogesh
22.04.14	Hypertension	Dr P.K. Pruthi	Dr Kishore
29.04.14	CHF	Dr Neeraj Agarwal	Dr Utsav
06.05.14	Neuromuscular disorders	Dr Praveen Kr. Singh	Dr Nupur
13.05.14	Acute respiratory distress syndrome	Dr Anil Sachdev	Dr Jyoti
20.05.14	ECG and its interpretation in children	Dr Neeraj Agarwal	Dr Santhi
27.05.14	UTI	Dr Kanav Anand	Dr Kalyan
03.06.14	Newer antiepileptic drugs	Dr R.K. Sabharwal	Dr Rajat
10.06.14	Headache	Dr Praveen Kr. Singh	Dr Yogesh
17.06.14	Leukaemia	Dr Nita Radhakrishnan	Dr Kishore
24.06.14	Bleeding disorders	Dr Anupam Sachdeva	Dr Utsav

### **Journal Club**

Time: 2 p.m.–3 p.m., Friday (once a month)

Venue: Lecture Hall, Working Women's Hostel Auditorium

### **Clinical Meeting**

Time: 2 p.m., Friday

Venue: Lecture Hall, Working Women's Hostel Auditorium

### **Clinical Case Meeting**

Time: 2 p.m., Friday

Venue: Department of Paediatrics

### **Postings**

Postgraduate students are posted in each unit for 3–4 months. They have to attend the OPD/ special clinic of the unit at least twice a week.

*Chairperson:* Dr PARVEEN BHATIA

*Teaching Coordinator:* Dr VIVEK BINDAL

### **Outline**

The Institute of Minimal Access, Metabolic and Bariatric Surgery is a leading centre of excellence in its field, in South-East Asia. The Institute is actively involved in innovating surgical care in its domain and disseminating its expertise through formal and informal academic activities.

The Institute conducts the following training programmes:

#### *a. Post-Doctoral Fellowship*

The post-doctoral fellowship programme (F.N.B.) in Minimal Access Surgery is conducted under the National Board of Examinations (NBE) for a period of two years. Two fellows are admitted each year through a national selection process based on academic results. The purpose of the fellowship is to train fellows in the science of advanced minimal access surgical care with a view to make them independent clinicians/ surgeons. There will be stress on the acquisition of academic knowledge and practical skills during the fellowship.

1. The fellows are expected to be proficient in relevant endoscopic surgical anatomy of the areas studied and minimal access surgical physiology (within 3 months).
2. The fellows are expected to choose a research topic of interest with the assistance of their 'guide', which will be their dissertation towards qualifying for their post-doctoral fellowship (within 3 months).
3. The fellows are expected to be proficient in the knowledge of basic and advanced minimal access surgical equipment (within 6 months).
4. The fellows are expected to be proficient in the theoretical and practical knowledge of basic minimal access surgical procedures (within one year).
5. The fellows are expected to be proficient in the theoretical and practical knowledge of advanced minimal access surgical procedures (within 24 months).

The fellows will witness, assist and perform minimal access surgery in a graded format. The fellows are to maintain a properly indexed log book indicating work done, academic presentations made and internal assessments. There will be a periodic assessment of clinical aptitude and academic performance. Progress during the fellowship is contingent on the fellows global performance. The fellows are required to attend all ward rounds, document clinical activity (electronic and paper), operating sessions, academic sessions, undertake active research, present and publish.

The institute conducts a regular weekly academic teaching schedule which follows the following pattern:

Tuesday	Seminar
Thursday	Journal Club
Saturday	Case presentation/ Video Operative Session

***b. Basic Minimal Access Surgical Course***

A formal basic training course in Minimal Access Surgery is held every two months. The duration of the course is five days.

***c. Postgraduate Course***

A postgraduate introductory course is specifically designed keeping in mind the basic needs of students appearing for postgraduate examinations. The duration of the course is three days, to be held on the last Monday of every month.

***d. Endohermia Course***

Endoscopic hernia repair is being increasingly performed by surgeons practicing minimal access surgery. A large volume of these procedures are conducted in our department. In an effort to provide high quality practical training, the department has established a structured training course in various aspects of laparoscopic hernia repair. The duration of the course will vary from 4 to 8 weeks (depending on the experience of the surgeons). The above fellowship is stipendiary.

Endoscopic hernia repair is being increasingly performed by surgeons practising minimal access surgery. In an effort to provide high quality practical training, our Institute established a three-day intensive course focusing on latest technology and development in endohermia surgery. Advanced minimally invasive techniques including laparoscopic totally extraperitoneal hernioplasty (TEP), laparoscopic repair of ventral/incisional hernias and controversies in hernia surgery will be addressed. It will also consist of lectures on various approaches to hernia surgery and the latest advances in its development. All participants will receive a certificate of participation.

***e. Bariatric Surgery Course***

The course is organized, keeping in mind the new treatment options available in the bariatric field and to develop treatment modalities of morbid obesity in India. It is designed to meet the educational needs for laparoscopic and Bariatric surgeons. The duration of the course is two days.

***f. Observership***

Observership courses where a batch of six observes undergo two weeks' training.

### *g. OT Surgical Staff Training Course*

Minimal access surgery is the future. It is a highly specialized, technology driven surgery that requires special training and exposure to sophisticated endovision equipment and hand instruments. The department is committed to provide educational opportunities to staff nurses and OT technicians to enhance their abilities, interests and knowledge in minimal access surgery. The duration of the course is two weeks.

### *b. Research*

These positions are offered to motivated doctors and medical students for research.

## **Training Courses**

### **Overview**

1. Series of discussion about basic instrumentation, their maintenance and use, surgical procedures, complications and prevention of complications.
2. Acquisition of skills for laparoscopic surgery by endotrainer and simulators so that trainees get familiar with operating under 2D videoscopic guidance and learn how to manipulate instruments without injuring structures and to appreciate operating without depth perception. This helps in developing hand–eye coordination in an unstressed environment.
3. Active involvement in the operation theatre, initially observing operations performed by proficient surgeons and then assisting them during surgery in a graduated manner.
4. Training seminars and case discussions, which include various intricacies of surgery. Appropriate clinical assessment of every case is of vital importance in any laparoscopic surgery.
5. Video discussions, consisting of group discussions by the department on previously operated patients, unedited video recordings, critical evaluation of procedures, technique of handling difficult and unexpected situations. The department has an exhaustive video/CD library consisting of a large collection of videos/CDs (edited/unedited) of basic and advanced laparoscopic surgical procedures recorded digitally for teaching candidates and future references.
6. Monthly audit of all the cases performed in the previous month, to check on case assessment, instrument assessment, procedural difficulties, complications as well as discuss methods to improve patient care.
7. Basic reading of general and some specific procedures from textbooks as well as selected papers from latest journals.
8. Exposure to the latest developments in the field of minimal access surgery.
9. The department encourages and helps trainees to visit various super-

specialized departments in the hospital such as the Department of Gastroenterology, Department of Surgical Gastroenterology, Department of Imaging CT scan and MRI, Department of Ultrasonology, etc.

#### **Instrumentation and allied technology for endoscopic surgery**

- Cleaning, disinfection and sterilization of endoscopic equipment
- Biocompatibility of endoscopic instrumentation
- Imaging principles
  - MRI/CT scanning
  - Ultrasound
- Optical system
  - Endoscopes
  - Video equipments
  - Rigid endoscopes
  - Flexible endoscopes
  - Semi-flexible endoscopes
  - Light sources
- Exposure of the operative field
  - Mechanical distension and gasless laparoscopy
  - Hydraulic distention
  - Gas insufflation
- Energy system (for cutting and coagulation)
- Therapeutic ultrasound
- Gallstone lithotripsy
- Access instruments
- Hand instruments
- Suturing devices
- Ligation instruments
- Clips and clip appliers
- Endostaplers
- Organ extraction

#### **Video technology for Minimal Access Surgery**

- Television standards
- HDMI, DVI, S-Video, RGB signalling for optimal intraoperative monitor image
- Composite and component signal processing
- Recording systems
- Cameras
  - Single-chip
  - Three-chip

## Anaesthetic management in endoscopic surgery

### *Operative Laparoscopy*

*Diagnostic:* Small bowel obstruction, large bowel obstruction, intra-abdominal sepsis, perforation, haemoperitoneum, malignancy, adhesiolysis.

*Thoracoscopy:* Diagnostic thoracoscopy, lung biopsy, mediastinal lymph node biopsy, treatment of effusion/ empyema, pneumothorax, cervical sympathectomy, lobectomy.

*Upper GI tract:* Fundoplication, cardiomyotomy, oesophageal myotomy, anti-reflux procedures, oesophageal diverticulum excision, repair of oesophageal perforation, laparoendoscopic transgastric surgery, excision of benign polyps, excision of leiomyomas, gastric ulcer bleeding, bleeding varices, diaphragmatic hernia repair, truncal vagotomy with posterior truncal vagotomy, highly selective vagotomy, laparoscopic pyloromyotomy.

*Bariatric and Metabolic Surgery:* Laparoscopic sleeve gastrectomy, laparoscopic Roux-en-Y gastric bypass, laparoscopic gastric banding

*Small bowel:* Exploration for obstruction, exploration for perforation, resection and anastomosis for benign strictures

*Large bowel:* Colectomy, anterior resection, laparoscopic-assisted APR, Rectopexy, Stapled haemorrhoidectomy

*Liver:* Liver biopsy, benign cyst excision, abscess drainage

*Biliary system:* Laparoscopic cholecystectomy, laparoscopic CBD exploration, laparoscopic choledocho-duodenostomy, laparoscopic Roux-en-Y hepatico-jejunostomy, laparoscopic triple bypass for advanced pancreatico-biliary malignancy

*Pancreas:* Laparoendoscopic pancreatic cysto-gastrostomy, cysto-jejunostomy and necrosectomy

*Solid organs:* Splenectomy, adrenalectomy, nephrectomy

*Hernia repair:*

- Inguinal hernia repair
  - Total extraperitoneal hernia repair (TEP)
  - Transabdominal peritoneal hernia repair (TAPP)
- Ventral abdominal wall hernia repair
  - Intraperitoneal onlay mesh repair (IPOM)

*Retroperitoneum:* Adrenalectomy, nephrectomy, approach to the ureter, major vessels, vas deferens and undescended testes.

*Video-assisted vascular surgery:* SEPS (Subfascial Endoscopic Perforator Surgery)



*Chairperson:* Dr SHYAM AGGARWAL

The Department of Medical Oncology was started in 1997. The department is involved in the management of haematological malignancies and solid tumours. It provides cancer chemotherapy and immunotherapy. The department is also involved in conducting autologous as well as autogenic bone marrow transplants. It is also involved in teaching DNB students of various disciplines. The department participates in the Grand Medical Round and Journal Club with the Department of Medicine.

### **Lecture**

Time: 3 p.m.–4 p.m., Second Friday

Venue: Seminar Room

Speaker: Dr Shyam Aggarwal

<i>Date</i>	<i>Topic</i>
10.01.14	Targeted therapy of cancer
14.02.14	RCC—new drugs
14.03.14	Carcinoma prostate—androgen deprivation
11.04.14	NHL—new drugs
09.05.14	Cancer ovary—pathology

### **Journal Club**

Day: 1st Saturday of every month

Time: 3 p.m.

Venue: Seminar Room

### **Case Presentation**

Day: 2nd Friday of every month

Time: 11:30 a.m.

Venue: Seminar Room

*Advisor:* Dr K.P. JAIN

*Chairperson:* Dr S.P. BYOTRA

## **MEDICINE**

*Teaching Coordinator:* Dr P.S. GUPTA

The postgraduate course in Medicine includes:

- Daily ward teaching in the unit in which the postgraduate is posted
- Daily discussion of cases and individual topics as per programme
- Regular presentation of cases in the wards and Grand Rounds
- Review of the literature in Journal Clubs and Seminars
- Compulsory attendance in all academic activities of the hospital. Posting in various subspecialties of Medicine, e.g. Cardiology, Neurology, Gastroenterology, etc.
- Posting in various subspecialty OPDs such as Dermatology and Psychiatry
- Night duties every 3rd to 4th day, 7–8 duties per month. During these duties the postgraduate student will work under close supervision of the senior resident.

All students have to maintain log books. The documented activities have to be signed by the consultant of the concerned department in the log book on a day-to-day basis.

### **Postings in various units**

Posting schedule for three-year postgraduate students:

Medicine Unit–I	6 months
Medicine Unit–II	6 months
Medicine Unit–III	6 months
Cardiology	
Indoor, OPD	10 weeks
ICCU	3 weeks
Non-invasive laboratory	3 weeks
Gastroenterology	8 weeks
Nephrology	8 weeks
Neurology	8 weeks
Indoor, OPD	10 weeks
EEG, EMG laboratory	4 weeks
Respiratory Unit	4 weeks
ICU	4 weeks

Casualty	6 weeks
Skin and VD	4 weeks
Psychiatry	4 weeks
Diagnostics	
Radiology, Ultrasound, CT scan, MRI 4 weeks	

During the period of posting to various subspecialties, the postgraduate student will attend the speciality clinics, e.g. Cardiology, Neurology, Gastroenterology, Nephrology, Respiratory Medicine and Rheumatology.

### Case Presentation

Tuesday	3–4 p.m.	Dr Sunil Jain
Wednesday	3–4 p.m.	Dr P.K. Aggarwal
Thursday	3–4 p.m.	Dr P.S. Gupta
Alternate Monday		Seminar

### Journal Club

Time: 1:30 p.m.–2:30 p.m., Saturday || Venue: Seminar Room, 2nd Floor

<i>Date</i>	<i>Consultants</i>
25.01.14	Dr D.S. Rana/ Dr A.K. Bhalla/ Dr A. Gupta/ Dr Manish Mallik/ Dr Anurag Gupta/ Dr Vinant Bhargava
22.02.14	Dr C.S. Aggarwal/ Dr Anshu Rohtagi/ Dr Rajiv Ranjan
08.03.14	Dr Shyam Aggarwal
22.03.14	Dr Sanjay Manchanda/ Dr Samhita Panda
12.04.14	Dr Surender Kumar/ Dr Sudhir Tripathi
26.04.14	Dr Neeraj Jain/ Dr Bobby Bhalotra/ Dr Ujjwal Parikh
10.05.14	Dr S.C. Bharija/ Dr Rishi Prashar
24.05.14	Dr K.P. Jain/ Dr Sunil Jain/ Dr Pooja Khosla/ Dr Kunal Chawla

### Grand Medical Rounds

Time: 1:30 p.m.–2:30 p.m., Saturday || Venue: Seminar Room, 2nd Floor

<i>Date</i>	<i>Consultants</i>
18.01.14	Dr Neeraj Jain/ Dr Bobby Bhalotra/ Dr Ujjwal Parikh
01.03.14	Dr Rajesh Goyal
15.03.14	Dr S.P. Byotra/ Dr Atul Kakar/ Dr Atul Gogia/ Dr Ved Prakash
05.04.14	Dr A.K. Basu/ Dr Amit Dhamija
19.04.14	Dr V.P. Sachar/ Dr Pankaj Aggarwal/ Dr Ambuj Garg
03.05.14	Dr Lalit Duggal/ Dr Neeraj Jain
17.05.14	Dr P.K. Sethi/ Dr Ish Anand/ Dr Anuradha

## FAMILY MEDICINE

*Teaching Coordinator:* Dr P.S. GUPTA

### DNB training in Family Medicine

The goal of Family Medicine training is that after qualifying the final examination, the candidate should be able to function as a junior consultant (specialist) in Family Medicine.

He should be able to render health services to the community by providing primary healthcare to all members irrespective of age, sex, specialty and socioeconomic background. He should be able to decide for appropriate referral in order to provide secondary/tertiary health services when necessary.

He should be clinically competent and should be able to take personal responsibility for rendering comprehensive and continuing care of his patients in their own family settings.

### Posting schedule of Family Medicine DNB students

Elective subjects	1 year
Paediatrics	4 months
General Surgery	3 months
Orthopaedics	2 months
Obstetrics and Gynaecology	4 months
Ophthalmology	1 month
Dermatology	1 month
Psychiatry	1 month
ENT	1 month
Casualty	3 months
ICU	1 month
Laboratories	1 month (Biochemistry, Haematology, Histopathology–10 days each)
Imaging departments	2 months (Radiology–1 month, Ultrasound–15 days, CT and MRI–15 days)

Those postgraduates who do not opt for medicine as an elective subject will be posted in the medicine department for 6 months. Other postings will be modified according to the elective disciplines.

The postgraduates doing elective posting in medicine will be assigned to various units/departments as follows:

In each of the 3 medical units	2 months each
Cardiology	2 months

Gastroenterology	1 month
Pulmonology	1 month
Neurology	1 month
Nephrology	1 month

The training in the Medicine department will be as per schedule of the training programme of DNB (Medicine).

Postgraduates are required to submit a dissertation/ thesis on a subject pertaining to Tropical Medicine, Community Health, etc. They are also required to enter the academic activities undertaken in each department of their posting in the log book. The documented activities have to be signed by the consultants of concerned departments in the log book on day-to-day basis.

## Training requirements in various departments

### *Internal Medicine*

- Recognition of common symptoms of diseases
- Diagnosis and management of common diseases of different systems of the human body, management of common medical emergencies in general practice, e.g. cardiovascular, respiratory, gastrointestinal, neurological, renal, metabolic, etc. and knowledge of common drugs and their adverse reactions
- Provide advice on nutritional disorders including management of malnutrition and obesity

### *Paediatrics*

- Newborn resuscitation, hypothermia, breastfeeding, neonatal hypoxia, jaundice and intrauterine growth retardation
- Nutritional practices including malnutrition
- Growth and development monitoring
- Genetics and inborn errors of metabolism
- Common infections and immunizations
- Common paediatric illnesses, respiratory illnesses, chronic diarrhoeas, urinary tract and respiratory infections, asthma, childhood tuberculosis
- Management of acute diarrhoea and dehydration, ORS
- Fits/ seizures, child with mental handicap, development delay, cerebral palsy, adolescent care, sex education and school health programme

### *Surgery*

- Recognition and evaluation of conditions requiring surgical diagnosis and procedures
- Management and appropriate referral of primary surgical emergencies such as shock, haemorrhage, burns, etc.

- Management of minor injuries and common wounds including immediate and resuscitative treatment of acute injuries
- Management of fluid and electrolyte requirements
- Specific and non-specific infections, common cysts, sinuses, fistulae, tumours, hernia, hydrocoele, diseases of the prostate, urinary bladder, kidney, vasectomy and breast, etc.

### *Obstetrics and Gynaecology*

- Antenatal, intranatal and postnatal care, safe motherhood, identification of high-risk pregnancy
- Normal labour and puerperium
- Early diagnosis of complications of pregnancy
- Management of common problems during pregnancy
- Knowledge of common gynaecological problems including genital infections, menstrual disorders, vaginal discharge, menopause and tumours
- Awareness of minor procedures including Pap smear, endoscopy, ultrasonography, etc.
- Early therapeutic approach to common obstetrical and gynaecological emergencies
- Awareness of Family Welfare Programmes, infertility, contraception and medical termination of pregnancy, prevention of unwanted pregnancy

### *Orthopaedics*

- Soft tissue, bone and joint diseases and fractures, dislocations, sprains
- Neuromuscular disorders, immediate care of trauma patients with fractures and dislocations and their transportation

### *Ophthalmology*

- Recognition of common eye diseases especially cataract, glaucoma, vitamin A deficiency, conjunctivitis, muscular degeneration, squint and diabetic retinopathy
- Diagnosis, management and referral of all emergencies including eye injuries
- Knowledge of the National Programme for the Prevention of Blindness and community ophthalmology

### *Dermatology*

- Prevention, diagnosis and management of common dermatological conditions
- To learn the principles of dermatological therapy
- To learn the principles of rehabilitation of chronic dermatological patients

*Psychiatry*

- Knowledge of the principles and experience in the practice of interviewing and counselling patients and their families
- Psychosis, depression, anxiety, psychiatric emergencies
- Rational use of psychotherapeutic medications, management of alcoholism, tobacco smoking and other substance abuse

*Laboratory and diagnostic medicine*

- *Clinical laboratory:* Awareness of basic laboratory investigations, familiarization with clinical laboratory equipment, common reagents, tests, interpretation of common laboratory investigations.
- *Imaging techniques:* Basic radiological procedures, ability to read normal X-rays, radiation hazards and their precautions, basic idea and indications of latest imaging techniques, ultrasonography, CT scan, MRI, etc.

*Chairperson:* Dr D.S. RANA

*Teaching Coordinator:* Dr ASHWANI GUPTA

The DNB students attend morning meetings, Journal Clubs, bedside long case discussions, histopathology rounds and seminars. They are also involved in Transplant Clinics and in carrying out various procedures under the supervision of consultants.

### **Examinations**

Examinations are held according to the DNB time-table.

### **Morning Meeting**

The consultants and residents of the department meet in the Seminar Room (IRS)/ Board Room at 8:30 a.m. for half an hour everyday to discuss the admissions, discharges and any death which may have occurred the previous day.

### **Journal Club**

Time: 8:30 a.m.–9:30 a.m., every Wednesday

Venue: Board Room

Presenter: Dr Nishant Deshpande/ Dr Niraj Patel/ Dr Nikhil Badnerkar

### **Grand Round**

Time: 8:30 a.m.–11:30 a.m., Monday/ Thursday

### **Long Case Discussion**

Time: 8:30 a.m., every Saturday

Venue: Seminar Room, Institute of Renal Sciences

### **Histopathology Round**

Time: 8:30 a.m., every Tuesday

Venue: Department of Pathology

This round is held to review all the biopsies done in the past 1 week and teach DNB students the interpretation of kidney biopsy.

### **Nephroradiology Round**

Time: 2 p.m.–3 p.m., alternate Thursday

Venue: Department of Radiology



## Seminar

Time: 8:30 a.m.–9:30 a.m., every Friday

Venue: Board Room

The candidates are given an objective assessment on the various topics covered.

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
03.01.14	Pathophysiology of uraemia, role of oxidative stress	Dr R. Kauntia	Dr D.S. Rana
10.01.14	Nutrition in chronic kidney disease (CKD)	Dr T. Warke	Dr A.K. Bhalla
17.01.14	Inherited disorders of glomerulus	Dr Basanth	Dr Ashwani Gupta
24.01.14	RAAS inhibition: Current concepts	Dr R. Kauntia	Dr Manish Malik
31.01.14	Hereditary hypokalaemia with metabolic alkalosis: Approach	Dr T. Warke	Dr Anurag Gupta
07.02.14	Classification of diabetic nephropathy, prognostic implication	Dr Basanth	Dr Vinant Bhargava
14.02.14	Adynamic bone disease pathogenesis, prevention and therapeutics	Dr R. Kauntia	Dr D.S. Rana
21.02.14	Obstructive uropathy: Pathophysiology and urodynamics	Dr T. Warke	Dr A.K. Bhalla
28.02.14	UTI-I	Dr Basanth	Dr Ashwani Gupta
07.03.14	UTI-II	Dr R. Kauntia	Dr Manish Malik
14.03.14	Renal malignancy	Dr T. Warke	Dr Anurag Gupta
21.03.14	Ageing and kidney	Dr Basanth	Dr Vinant Bhargava
28.03.14	NODAT	Dr R. Kauntia	Dr D.S. Rana
04.04.14	Antibody-mediated rejection	Dr T. Warke	Dr A.K. Bhalla
11.04.14	Post-transplant malignancies	Dr Basanth	Dr Ashwani Gupta
18.04.14	Newer immunosuppressive agents	Dr R. Kauntia	Dr Manish Malik
25.04.14	Urea kinetic modelling	Dr T. Warke	Dr Anurag Gupta
02.05.14	Dialyser reuse	Dr Basanth	Dr Vinant Bhargava
09.05.14	CAPD peritonitis	Dr R. Kauntia	Dr D.S. Rana
16.05.14	Tuberculosis and kidney	Dr T. Warke	Dr A.K. Bhalla
23.05.14	Biomarkers in renal disease	Dr Basanth	Dr Ashwani Gupta
30.05.14	Proteomics and genomics	Dr R. Kauntia	Dr Manish Malik
06.06.14	Nephron endowment	Dr T. Warke	Dr Anurag Gupta
13.06.14	Embryology of the kidney	Dr Basanth	Dr Vinant Bhargava
20.06.14	CAKUT	Dr R. Kauntia	Dr D.S. Rana
27.06.14	Vesicoureteral reflux	Dr T. Warke	Dr A.K. Bhalla

**Ward Round**

Time: 9 a.m.–12 noon, daily

Venue: SWB, 4th Floor (for all consultants)

**Major Postings**

- Ward Posting
- Research
- Haemodialysis
- Paediatrics
- Transplant Clinic
- ICU Posting
- Operation Theatre
- Genetics Laboratory (HLA typing, Luminax)
- Nuclear Medicine Laboratory
- All residents attend general OPDs on Wednesdays and Saturdays

**National and International Conferences**

DNB candidates are sent to attend national and international conferences by rotation at least once a year.

*Chairperson:* Dr C.S. AGRAWAL

*Teaching Coordinator:* Dr ANSHU ROHATGI

### **Brief Outline**

The curriculum of the department aims to make the trainees independent clinicians/consultants. The objectives of the training are that trainees should:

- be acquainted with the current literature on relevant aspects of basic, investigative and clinical neurosciences.
- have acquired performance skills and the ability to interpret relevant clinical investigations.
- be able to diagnose, plan investigations and treat common conditions in the specialty by relevant current therapeutic methods.
- be acquainted with allied and general clinical disciplines to ensure appropriate and timely referral.
- be acquainted with relevant education delivery systems.
- be able to identify, frame and carry out research proposals in their specialty.
- be aware of their limitations.

Emphasis will be 'on-the-job' training rather than didactic lectures. Training imparted will be in the form of departmental seminars, Journal Clubs, combined neurology and neurosurgical conferences, bedside case discussions, and practical training in clinical neurophysiology techniques and neuroradiological procedures. Neuroanatomy, neurophysiology and relevant clinical aspects will also be taught in the form of departmental seminars.

In the first 6 months, trainees are expected to know neuroanatomy, neurophysiology, clinical localization and basics of EEG, EMG, nerve conduction/evoked response studies and Doppler studies. By the end of the first year they are expected to know about various disease processes, their pathophysiology, pharmacology, neurochemistry and EEG/EMG changes. The second year is spent reviewing the important literature published in old and new journals and analysing it critically.

### **Neurobiochemistry and neuroimmunology**

Didactic lectures will be held by trained professionals to familiarize the trainees with the elements and techniques of neurochemistry and neuroimmunology.

### **Neuropathology**

Trainees will get ample opportunity to perform muscle and nerve biopsies,

and also to study them with the pathologist. For the brain cutting session, they will attend neuropathology sessions every Friday in AIIMS under a trained neuropathologist. They will be rotated to the Department of Neuropathology either in PGI, Chandigarh or AIIMS to familiarize them with the techniques of grossing, staining procedures, autopsy methods and tissue processing, including frozen sections.

### Neurophysiology

Trainees are required to learn the techniques of application of EEG/EMG and evoked response machines under the guidance of technical assistants and consultants. They are also expected to learn the interpretation of nerve conduction studies, EMG, evoked response and ultrasound during their first year of training, interpretation of EEG records, to report under the guidance of senior colleagues and consultants in the first year, and independently in the second year of training.

### Requirements

To be eligible for the final examinations, candidates are required to have:

- a properly indexed log book indicating the work done, rotations and internal assessments
- one paper, a review of available clinical material and a laboratory-oriented project written in the form of an article for *Neurology (India)*.

### Evaluation

Teachers concerned with the training of candidates both inside and outside the parent department evaluate them independently. A standardized marking system is followed and the result is entered in a log book. The Course Director averages these independent evaluations and enters the final evaluation.

### Teaching Schedule

Departmental seminar	Once a week
Combined conference with neurosurgeons	Once in two weeks
Journal Club (Neurology)	Once in two weeks
Neuroradiology conference	Once a week
Conference with the Department of Psychiatry	Once a month
Interdepartmental conference	Once a month
Neuro-otology case conference	Once a month
Neuro-ophthalmology	Once a month

## Academic Programme

Time: 3:30 p.m.–4:30 p.m., Tuesday and Friday

Venue: Seminar Room

<i>Date</i>	<i>Topic</i>	<i>Consultant</i>
03.01.14	Case presentation	Dr C.S. Agrawal
07.01.14	Seminar: Prion disease	Dr Ish Anand
10.01.14	Case presentation	Dr Anshu Rohatgi
14.01.14	HOLIDAY	
17.01.14	Journal Club	Dr Anuradha
21.01.14	Case presentation	Dr C.S. Agrawal
24.01.14	Seminar: RCVS	Dr Ish Anand
28.01.14	Case presentation	Dr Anshu Rohatgi
31.01.14	Seminar: Imaging in Parkinson disease	Dr Rajeev Ranjan
04.02.14	Journal Club	Dr Anuradha
07.02.14	Case presentation	Dr C.S. Agrawal
11.02.14	Seminar: Polymyositis	Dr Anshu Rohatgi
14.02.14	Case presentation	Dr Ish Anand
18.02.14	Seminar: Paraneoplastic syndrome	Dr Rajeev Ranjan
21.02.14	Journal Club	Dr Anuradha
25.02.14	Case presentation	Dr C.S. Agrawal
28.02.14	Seminar: DBS	Dr Anshu Rohatgi
04.03.14	Case presentation	Dr Ish Anand
07.03.14	Seminar: Dystonia	Dr Rajeev Ranjan
11.03.14	Journal Club	Dr C.S. Agrawal
14.03.14	Case presentation	Dr Rajeev Ranjan
18.03.14	Seminar: Genetics of cerebellar ataxia	Dr Anshu Rohatgi
21.03.14	Case presentation	Dr Ish Anand
25.03.14	Seminar: Thalamic syndrome	Dr Anuradha
28.03.14	Journal Club	Dr Ish Anand
01.04.14	Case presentation	Dr C.S. Agrawal
04.04.14	Seminar: Midbrain syndrome	Dr Rajeev Ranjan
08.04.14	HOLIDAY	
11.04.14	Seminar: Genetics of Parkinson disease	Dr C.S. Agrawal
15.04.14	Journal Club	Dr Anuradha
18.04.14	Seminar: Thrombolysis	Dr Rajeev Ranjan
22.04.14	Journal Club	Dr Anshu Rohatgi
25.04.14	Case presentation	Dr Ish Anand
29.04.14	Seminar: Dopamine receptor	Dr C.S. Agrawal
02.05.14	Journal Club	Dr Rajeev Ranjan

<i>Date</i>	<i>Topic</i>	<i>Consultant</i>
06.05.14	Case presentation	Dr Anshu Rohatgi
09.05.14	Seminar: Treatment of multiple sclerosis	Dr Ish Anand
13.05.14	Case presentation	Dr Anuradha
16.05.14	Seminar: Newer antiepileptic drugs	Dr C.S. Agrawal
20.05.14	Journal Club	Dr Rajeev Ranjan
23.05.14	Case presentation	Dr Anshu Rohatgi
27.05.14	Seminar: Status epilepticus	Dr Ish Anand
30.05.14	Case presentation	Dr Anuradha

### **Ward Round**

Venue: Neurology Ward, 4th Floor

Neurology: 12 noon–1 p.m., Tuesday and Friday

### **Postings**

The DNB students would be rotated in the following departments.

<i>Department</i>	<i>Duration</i>
Neurology	1 year 6 months
Neuropathology	4 weeks
Visit to other institutions	6 weeks
Elective (any field of candidate's choice)	6 weeks
Electrophysiology laboratory	3 months

During posting in the Department of Neurology, the candidate will be required to undertake ward work, consultations, EEG/ EMG/ evoked potential studies, neuroradiology investigations and outpatient clinics.

*Chairperson:* Dr SATNAM SINGH CHHABRA

*Teaching Coordinator:* Dr SAMIR KALRA

**Neuroradiology**

Training will be imparted through study of clinical cases, participation in techniques as well as clinical radiology conferences.

**Neurosurgery**

Neurosurgery trainees will be posted/rotated to the Department of Neurology for eight weeks to learn about the aspects of neurology. In addition, there will be a programme with combined neurology/neurosurgery conferences throughout the year.

**Neuroanaesthesiology**

There will be a few didactic lectures common to postgraduates of the Departments of Neurology and Neurosurgery. The major thrust of these lectures will be on the diagnosis of neurosurgical diseases, their management, life-support systems and monitoring of patients.

**Academic Programme**

Time: 3:30 p.m.–4:30 p.m., Wednesday and Saturday

Venue: Seminar Room

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
01.01.14	Vertebroplasty	Dr Shrey	Dr A.K. Sinha
04.01.14	Radiosurgery in AVM	Dr Divyam	Dr Anshul Gupta
08.01.14	Management of PIVD	Dr Shripad	Dr V.S. Madan
11.01.14	Positron emission tomography	Dr Gurpal	Dr R. Acharya
15.01.14	Management of intracranial aneurysm with wide neck	Dr Mohit	Dr Samir Kalra
18.01.14	Pituitary apoplexy and management of DI	Dr Gaurav	Dr S.S. Chhabra
22.01.14	Case presentation/ Radiology	Dr Ashraf	Dr Sumit Goyal
25.01.14	Mycotic aneurysms and treatment	Dr Shrey	Dr Richa Singh
29.01.14	MMC, pathophysiology and management	Dr Divyam	Dr Ajay Bhutani
01.02.14	Deep brain stimulation in movement disorders	Dr Shripad	Dr Sandeep Chopra
05.02.14	Stereotactic cingulotomy	Dr Gurpal	Dr H.N. Aggarwal

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
08.02.14	Amenorrhoea with galactorrhoea: DD and management	Dr Mohit	Dr Ashish Goyal
12.02.14	Surgical anatomy of the sella	Dr Gaurav	Dr A.K. Sinha
15.02.14	Case presentation/ Radiology	Dr Ashraf	Dr Anshul Gupta
19.02.14	Case presentation/ Radiology	New Resident	Dr V.S. Madan
22.02.14	Management of cerebral vasospasm	Dr Shrey	Dr R. Acharya
26.02.14	30-year-old male with impaired hearing, instability of gait and headache: Management	Dr Divyam	Dr Samir Kalra
01.03.14	Indications of various surgical approaches of CP angle	Dr Shripad	Dr S.S. Chhabra
05.03.14	Vein of galen malformation	Dr Gurpal	Dr Sumit Goyal
08.03.14	Brainstem anatomy	Dr Mohit	Dr Richa Singh
12.03.14	Approaches to post-third ventricle tumour	Dr Gaurav	Dr Ajay Bhutani
15.03.14	Case presentation/ Radiology	Dr Ashraf	Dr Sandeep Chopra
19.03.14	Case presentation/ Radiology	New Resident	Dr H.N. Aggarwal
22.03.14	Surgical anatomy of the cerebellopontine angle	Dr Shrey	Dr Ashish Goyal
26.03.14	Spinal tumours: General review	Dr Divyam	Dr A.K. Sinha
29.03.14	Misnomers in neurosurgical practice	Dr Shripad	Dr Anshul Gupta
02.04.14	Case of painless, progressive unilateral proptosis: Management	Dr Gurpal	Dr S.S. Chhabra
05.04.14	Ptosis	Dr Mohit	Dr R. Acharya
09.04.14	Intracerebral haemorrhage management	Dr Gaurav	Dr Samir Kalra
12.04.14	Case presentation/ Radiology	Dr Ashraf	Dr Anshul Gupta
16.04.14	Case presentation/ Radiology	New Resident	Dr Sumit Goyal
19.04.14	Glioma management	Dr Shrey	Dr Richa Singh
23.04.14	Meningioma management	Dr Divyam	Dr Ajay Bhutani
26.04.14	Colloid cyst	Dr Shripad	Dr Sandeep Chopra
30.04.14	5th nerve and trigeminal neuralgia	Dr Gurpal	Dr H.N. Aggarwal
03.05.14	Onco-genes in neurosurgery	Dr Mohit	Dr Ashish Goyal
07.05.14	Approach to pineal tumours	Dr Gaurav	Dr A.K. Sinha
10.05.14	Case presentation/ Radiology	Dr Ashraf	Dr Anshul Gupta
14.05.14	Spinal vascular malformation	New Resident	Dr V.S. Madan
17.05.14	Failed back syndrome	Dr Shrey	Dr R. Acharya



<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
21.05.14	Dural arteriovenous malformations	Dr Divyam	Dr Samir Kalra
24.05.14	MRI and MR spectroscopy	Dr Shripad	Dr S.S. Chhabra
28.05.14	Intraoperative optical imaging and ultrasound: Role in neurosurgery	Dr Gurpal	Dr Sumit Goyal
31.05.14	Posterior fossa haematomas: Classification and criteria for intervention	Dr Mohit	Dr Richa Singh
04.06.14	Epilepsy: Classification and treatment in pregnancy	Dr Gaurav	Dr Ajay Bhutani
07.06.14	Intraoperative aneurysm rupture	Dr Ashraf	Dr Sandeep Chopra
11.06.14	Case presentation/ Radiology	New Resident	Dr H.N. Aggarwal
14.06.14	Foot drop	Dr Shrey	Dr Ashish Goyal
18.06.14	Decompressive craniectomies: Controversies in indications and timing	Dr Divyam	Dr A.K. Sinha
21.06.14	Deep seated low grade gliomas: Diagnosis and treatment	Dr Shripad	Dr Anshul Gupta
25.06.14	Cranioplasty: Material and methods	Dr Gurpal	Dr R. Acharya

### **Ward Round**

Venue: Neurosurgery Ward, 4th Floor

Neurosurgery: 12 noon–1 p.m., Wednesday and Saturday

### **Postings**

The DNB students would be rotated in the following departments.

<i>Department</i>	<i>Duration</i>
Neurology	8 weeks
Visit to other institutions	6 weeks
Elective (any field of candidate's choice)	6 weeks
Electrophysiology laboratory	3 months

During posting in the Department of Neurology, the candidate will be required to undertake ward work, consultations, EEG/ EMG/ evoked potential studies, neuroradiology investigations and outpatient clinics.

*Chairperson:* Dr HARSH MAHAJAN

*Teaching Coordinator:* Dr PROMILA PANKAJ

The Department of Nuclear Medicine conducts the DNB course. A teaching schedule is outlined below to impart proper training to the DNB students.

## **Training Programme**

### **Case Reporting**

Time: 4 p.m.–5 p.m., all working days

Venue: Gamma Camera Room                      ||                      Coordinator: Dr Promila Pankaj

All the students and consultants assemble in the Gamma Camera Room. The cases of the day are reviewed, discussed and disposed of for final reporting.

### **Journal Club**

Time: 3 p.m.–4 p.m., every Saturday

Venue: Nuclear Medicine Department                      ||                      Coordinator: Dr Promila Pankaj

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
04.01.14	Journal Club	Dr Parul Gupta	Dr Promila Pankaj
11.01.14	Journal Club	Dr Nandan	Dr Ritu Verma
18.01.14	Journal Club	Dr Charu Jora	Dr Anjali Jain
25.01.14	Journal Club	Dr Parul Gupta	Dr Ethel S. Belho
01.02.14	Journal Club	Dr Charu Jora	Dr Promila Pankaj
08.02.14	Journal Club	Dr Nandan	Dr Ethel S. Belho
15.02.14	Journal Club	Dr Charu Jora	Dr Ritu Verma
22.02.14	Journal Club	Dr Nandan	Dr Promila Pankaj
01.03.14	Journal Club	Dr Charu Jora	Dr Anjali Jain
08.03.14	Journal Club	Dr Parul Gupta	Dr Promila Pankaj
15.03.14	Journal Club	Dr Charu Jora	Dr Ethel S. Belho
22.03.14	Journal Club	Dr Nandan	Dr Promila Pankaj
29.03.14	Journal Club	Dr Charu Jora	Dr Ritu Verma
05.04.14	Journal Club	Dr Parul Gupta	Dr Anjali Jain
12.04.14	Journal Club	Dr Charu Jora	Dr Ethel S. Belho
19.04.14	Journal Club	Dr Nandan	Dr Promila Pankaj
26.04.14	Journal Club	Dr Parul Gupta	Dr Ritu Verma
03.05.14	Journal Club	Dr Charu Jora	Dr Anjali Jain
10.05.14	Journal Club	Dr Nandan	Dr Ethel S. Belho
17.05.14	Journal Club	Dr Charu Jora	Dr Ritu Verma
24.05.14	Journal Club	Dr Parul Gupta	Dr Promila Pankaj
31.05.14	Journal Club	Dr Charu Jora	Dr Anjali Jain

## Seminar

Time: 3 p.m.–4 p.m., every Monday

Venue: Consultants' Room (Nuclear Medicine)

Moderator: Dr Promila Pankaj

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
06.01.14	PET radiopharmaceuticals and their applications	Dr Parul Gupta
13.01.14	Radiation and radiation detectors	Dr Nandan
20.01.14	Modes of radioactive decay	Dr Charu Jora
27.01.14	Interaction of radiation with matter	Dr Nandan
03.02.14	Radionuclide generator	Dr Ritu Verma
10.02.14	QC of radiopharmaceuticals	Dr Anjali Jain
17.02.14	MIBG scan and Ga DOTA NOC scan	Dr Charu Jora
24.02.14	Image reconstruction	Dr Promila Pankaj
03.03.14	PET physics	Dr Ritu Verma
10.03.14	PET radiopharmaceuticals	Dr Nandan
17.03.14	Benign thyroid disorders	Dr Anjali Jain
24.03.14	Thyroid—anatomy, physiology, pathology	Dr Nandan
31.03.14	Chemistry and synthesis of fluorodeoxy-glucose (FDG)	Dr Anjali Jain
07.04.14	Gamma camera: Physics and instrumentation	Dr Charu Jora
14.04.14	Stress testing	Dr Parul Gupta
21.04.14	Quality control of gamma camera	Dr Ethel S. Belho
28.04.14	Infection imaging	Dr Parul Gupta
05.05.14	PET in neuroendocrine tumours	Dr Charu Jora
12.05.14	MIRD	Dr Promila Pankaj
19.05.14	Skeletal scintigraphy in benign bone disorders	Dr Ethel S. Belho
26.05.14	Thyroid malignancies	Dr Nandan

## Tutorial/Case Review and Discussion

Time: 3 p.m.–4 p.m., 1st and 3rd Thursdays of all months

Venue: Gamma Camera Room/ Consultants' Room, Nuclear Medicine Dept.

Teaching Coordinator: Dr Promila Pankaj

Interesting cases of the fortnight are presented and discussed in detail.

*Advisor:* Dr S.K. BHANDARI

*Chairperson:* Dr I. GANGULI

*Vice-Chairperson:* Dr K. GUJRAL

*Teaching Coordinator:* Dr HARSHA KHULLAR

### **Brief Outline**

The DNB programme is a 3-year course after internship. Students get training in clinical work; they learn to present cases, participate in Journal Clubs and prepare seminars. They do research and write a dissertation. They work as junior residents and do emergency duties twice a week. Students who have already passed the DGO are trained for one year and are given the work of third-year junior residents. They work in rotation in different departments for two weeks each. Seniors assist students to perform various minor and major operations.

### **Requirements**

It is mandatory for the students to maintain a log book.

### **Examinations**

Terminal examinations are held every three months. The dates for the external examinations will be set by the National Board of Examinations.

### **Academic Programme**

Venue:	Journal Club/ Seminar	Auditorium
	Lecture	Doctors' Duty Room, 1st Floor
	Ward Round	Maternity General Ward

**January**

**Moderator: Unit-I**

<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
01.01.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
02.01.14	(Thur)	8-9 a.m.	Case presentation: PPH	Unit-I
03.01.14	(Fri)	1.30-2.30 p.m.	Case presentation: APH	Dr Pramod
04.01.14	(Sat)	8-9 a.m.	Bedside teaching: Thrombophilia in pregnancy	Unit-II
06.01.14	(Mon)	8-9 a.m.	Obstetrics	Dr Kotwani
07.01.14	(Tues)	8-9 a.m.	Case presentation: PROM	Unit-III

<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
08.01.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
09.01.14	(Thur)	8–9 a.m.	Bedside teaching: Work-up of an infertile couple	Unit–IV-A
10.01.14	(Fri)	1.30–2.30 p.m.	Seminar: Placenta, its function and foetal circulation	Dr Savita
11.01.14	(Sat)			Unit–II
13.01.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
14.01.14	(Tues)	HOLIDAY		
15.01.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
16.01.14	(Thur)	8–9 a.m.	Case presentation: Puberty menorrhagia	Unit–I
17.01.14	(Fri)	1.30–2.30 p.m.	Case presentation: Abnormal uterine bleeding	Dr Shweta Shingvi
18.01.14	(Sat)	8–9 a.m.	Case presentation: Cervical polyp/ endometrial polyp	Unit–II
20.01.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
21.01.14	(Tues)	8–9 a.m.	Bedside teaching: Bleeding in the first trimester of pregnancy	Unit–III
22.01.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
23.01.14	(Thur)	8–9 a.m.	Case presentation: PCOD	Unit–IV-B
24.01.14	(Fri)	1.30–2.30 p.m.	Journal Club	Dr Pallavi
25.01.14	(Sat)			
27.01.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
28.01.14	(Tues)			
29.01.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
30.01.14	(Thur)	8–9 a.m.	Case presentation: Abruptio placenta	Unit–I
31.01.14	(Fri)	1.30–2.30 p.m.	Case presentation: PIH	Dr Neha

**February****Moderator: Unit–II**

01.02.14	(Sat)	8–9 a.m.	Case presentation: Eclampsia	Unit–II
03.02.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
04.02.14	(Tues)			Unit–III
05.02.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
06.02.14	(Thur)	8–9 a.m.	Principles of laparoscopy	Unit–V-A
07.02.14	(Fri)	1.30–2.30 p.m.	Case presentation: Fibroid uterus	Dr Nidhi

<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
08.02.14	(Sat)			
10.02.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
11.02.14	(Tues)	1.30–2.30 p.m.	Paediatrics meeting	
12.02.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
13.02.14	(Thur)	8–9 a.m.	Bedside teaching: Operation for prolapse uterus/ vaginal hysterectomy	Unit-I
14.02.14	(Fri)	1.30–2.30 p.m.	Seminar: Supports of uterus	Dr Neetu
15.02.14	(Sat)	8–9 a.m.	Case presentation: Prolapse uterus	Unit-II
17.02.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
18.02.14	(Tues)	8–9 a.m.	Case presentation: HIV in pregnancy	Unit-III
19.02.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
20.02.14	(Thur)	8–9 a.m.	Energy sources in laparoscopy	Unit-V-B
21.02.14	(Fri)	1.30–2.30 p.m.	Case presentation: Multiple gestation	Dr Pramod
22.02.14	(Sat)			
24.02.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
25.02.14	(Tues)			
26.02.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
27.02.14	(Thur)	HOLIDAY		
28.02.14	(Fri)	1.30–2.30 p.m.	Seminar: Pre-invasive lesion of the cervix	Dr Sanskriti

### March

### Moderator: Unit-III

01.03.14	(Sat)	8–9 a.m.	Case presentation: HSIL	Unit-II
03.03.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
04.03.14	(Tues)	8–9 a.m.	Bedside teaching: Urogenital problem in pregnancy	Unit-III
05.03.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
06.03.14	(Thur)	8–9 a.m.	Case presentation: Hirsutism	Unit-IV-A
07.03.14	(Fri)	1.30–2.30 p.m.	Case presentation: VVF	Dr Shweta Shingvi
08.03.14	(Sat)			
10.03.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
11.03.14	(Tues)	1.30–2.30 p.m.	Paediatrics meeting	
12.03.14	(Wed)	12 noon	Bedside teaching	Dr Chadha

<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
13.03.14	(Thur)	8–9 a.m.	Case presentation: Normal puerperal	Unit-I
14.03.14	(Fri)	1.30–2.30 p.m.	Journal Club	Dr Shreya Raj
15.03.14	(Sat)	8–9 a.m.	Beside teaching: Lactation	Unit-II
17.03.14	(Mon)	HOLIDAY		
18.03.14	(Tues)	8–9 a.m.	Case presentation: Fever in puerperium	Unit-III
19.03.14	(Wed)	12 p.m.	Beside teaching	Dr Chadha
20.03.14	(Thur)	8–9 a.m.	Case presentation: Secondary amenorrhoea	Unit-IV-B
21.03.14	(Fri)	1.30–2.30 p.m.	Case presentation: Breech presentation	Dr Pallavi
22.03.14	(Sat)			
24.03.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
25.03.14	(Tues)			
26.03.14	(Wed)	12 noon	Beside teaching	Dr Chadha
27.03.14	(Thur)	8–9 a.m.	Beside teaching: Colposcopy	Unit-I
28.03.14	(Fri)	1.30–2.30 p.m.	Seminar: PPROM	Dr Farhat
29.03.14	(Sat)	8–9 a.m.	Case presentation: Carcinoma cervix	Unit-II
31.03.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani

**April**

**Moderator: Unit-IV**

01.04.14	(Tues)	8–9 a.m.	Case presentation: Diabetes in pregnancy	Unit-III
02.04.14	(Wed)	12 noon	Beside teaching	Dr Chadha
03.04.14	(Thur)		Principles of hysteroscopy	Unit-V-A
04.04.14	(Fri)	1.30–2.30 p.m.	Case presentation: Heart disease in pregnancy	Dr Neha
05.04.14	(Sat)			
07.04.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
08.04.14	(Tues)	HOLIDAY		
09.04.14	(Wed)	12 noon	Beside teaching	Dr Chadha
10.04.14	(Thur)	8–9 a.m.	Case presentation: Previous caeserean	Unit-I
11.04.14	(Fri)	1.30–2.30 p.m.	Seminar: Male infertility	Dr Savita
12.04.14	(Sat)	8–9 a.m.	Beside teaching: Genital TB	Unit-II

<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
14.04.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
15.04.14	(Tues)	8–9 a.m.	Case presentation: Jaundice in pregnancy	Unit-III
16.04.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
17.04.14	(Thur)	8–9 a.m.	Bedside teaching: Complications of laparoscopic surgery	Unit-V-B
18.04.14	(Fri)	HOLIDAY		
19.04.14	(Sat)			
21.04.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
22.04.14	(Tues)			
23.04.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
24.04.14	(Thur)	8–9 a.m.	Case presentation: PMB	Unit-I
25.04.14	(Fri)	1.30–2.30 p.m.	Case presentation: Anaemia in pregnancy	Dr Nidhi
26.04.14	(Sat)	8–9 a.m.	Case presentation: Carcinoma endometrium	Unit-II
28.04.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
29.04.14	(Tues)	8–9 a.m.	Case presentation: Hyperthyroidism in pregnancy	Unit-III
30.04.14	(Wed)	12 noon	Bedside teaching	Dr Chadha

**May**

**Moderator: Unit-I**

01.05.14	(Thur)	8–9 a.m.	Case presentation: Hyperprolactaemia	Unit IV-A
02.05.14	(Fri)	1.30–2.30 p.m.	Case presentation: Primary amenorrhoea	Dr Neetu
03.05.14	(Sat)			
05.05.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
06.05.14	(Tues)			
07.05.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
08.05.14	(Thur)	8–9 a.m.	Case presentation: Molar pregnancy	Unit-I
09.05.14	(Fri)	1.30–2.30 p.m.	Seminar: Gestational trophoblastic tumour	Dr Sanskriti
10.05.14	(Sat)	8–9 a.m.	Case presentation: Bleeding P/V in 1st trimester	Unit-II
12.05.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
13.05.14	(Tues)		Paediatrics meeting	



<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
14.05.14	(Wed)	HOLIDAY		
15.05.14	(Thur)	8–9 a.m.	Bedside teaching: Principles of intrauterine insemination (IUI)	Unit–IV-B
16.05.14	(Fri)	1.30–2.30 p.m.	Case presentation: Fibroid in pregnancy	Dr Shreya
17.05.14	(Sat)			
19.05.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
20.05.14	(Tues)			
21.05.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
22.05.14	(Thur)	8–9 a.m.	Case presentation: Multiple gestation	Unit–I
23.05.14	(Fri)	1.30–2.30 p.m.	Seminar: Rh-isoimmunization	Dr Farhat
24.05.14	(Sat)	8–9 a.m.	Case presentation: Obesity and pregnancy	Unit–II
26.05.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
27.05.14	(Tues)	8–9 a.m.	Bedside teaching: Antenatal foetal surveillance	Unit–III
28.05.14	(Wed)	12 p.m.	Bedside teaching	Dr Chadha
29.05.14	(Thur)	8–9 a.m.	Laparoscopy in endometriosis	Unit–V-A
30.05.14	(Fri)	1.30–2.30 p.m.	Case presentation: Heart disease in pregnancy	Dr Savita
31.05.14	(Sat)			

**June**

**Moderator: Unit–II**

02.06.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
03.06.14	(Tues)			
04.06.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
05.06.14	(Thur)	8–9 a.m.	Case presentation: Ectopic pregnancy	Unit–I
06.06.14	(Fri)	1.30–2.30 p.m.	Seminar: Hormonal contraception	Dr Nidhi
07.06.14	(Sat)	8–9 a.m.	Case presentation: IHCP	
09.06.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
10.06.14	(Tues)	1.30–2.30 p.m.	Paediatrics meeting (Intrapartum foetal surveillance 8–9 a.m.)	Unit–III
11.06.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
12.06.14	(Thur)	8–9 a.m.	Bedside teaching: TCRC	Unit–V-B

<i>Date</i>	<i>Day</i>	<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
13.06.14	(Fri)	1.30–2.30 p.m.	Journal Club	Dr Neetu
14.06.14	(Sat)			
16.06.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
17.06.14	(Tues)			
18.06.14	(Wed)	12 p.m.	Bedside teaching	Dr Chadha
19.06.14	(Thur)	8–9 a.m.	Case presentation: Adnexal masses	Unit-I
20.06.14	(Fri)	1.30–2.30 p.m.	Case presentation: Post-menopausal bleeding	Dr Sanskriti
21.06.14	(Sat)	8–9 a.m.	Case presentation: IUD	Unit-II
23.06.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani
24.06.14	(Tues)	8–9 a.m.	Case presentation: Pregnancy in bicornuate uterus	Unit-III
25.06.14	(Wed)	12 noon	Bedside teaching	Dr Chadha
26.06.14	(Thur)	8–9 a.m.	Case presentation: Uterine septum	Unit-IV-A
27.06.14	(Fri)	1.30–2.30 p.m.	Seminar: Ligations	Dr Shreya Raj
28.06.14	(Sat)			
30.06.14	(Mon)	8–9 a.m.	Obstetrics	Dr Kotwani

*There will be monthly tests on the last Saturday of the month from the topics covered during that month.*

Case presentations will be according to the availability of the cases. The following cases will be discussed:

#### ***Obstetrics***

APH  
PIH  
Twins  
Hydramnios  
Breech  
Transverse lie  
IUGR  
DM  
Heart disease  
Anaemia  
BOH  
Prematurity  
Jaundice  
Puerperium

#### ***Gynaecology***

DUB  
Fibroid  
Prolapse  
VVF  
Carcinoma cervix  
Carcinoma body of the uterus  
Adnexal mass (carcinoma ovary/ PID/ ectopic)  
Tuberculosis  
Cervical erosion  
Vaginal discharge  
Carcinoma of the vulva  
Postoperative cases  
Cervical dysplasia

Unit-I	Dr I. Ganguli/ Dr Mala Srivastava/ Dr Mamta Dagar
Unit-II	Dr S.K. Bhandari/ Dr H. Khullar/ Dr Geeta Mediratta/ Dr Kanika Jain
Unit-III	Dr K. Gujral/ Dr Chandra Mansukhani/ Dr Bhavna Anand
Unit-IV-A	Dr M. Kochhar/ Dr Ruma Satwik
Unit-IV-B	Dr Abha Majumdar/ Dr Shweta Gupta/ Dr Neeti Tiwari
Unit-V-A	Dr Debasis Dutta/ Dr Nidhi Khosla
Unit-V-B	Dr Punita Bhardwaj

### Postings

Postgraduates are posted in the Departments of Neonatology and Ultrasound for two weeks each, and in the ICCU, ICU, Department of Nephrology and laboratories for one week each.

*Chairperson:* Dr A.K. GROVER

*Teaching Coordinator:* Dr S.N. JHA

The teaching schedule of the Department of Ophthalmology will include regular lectures by the consultants of the department, clinical teaching by the senior residents and presentation of seminars and Journal Clubs by residents. Residents also present clinical cases of interest in the presence of the faculty of the department.

### **Fellow of National Board (FNB) in Vitreoretina**

A vitreoretinal fellowship programme is also running in the department and there will be special classes for the same.

### **Requirements**

All students are required to maintain log books which document both minor clinical procedures carried out in the OPD and surgical procedures in the Operation Theatre.

### **Examinations**

Examinations are held on every 3rd Saturday from 2 p.m. to 4 p.m.

### **Academic Programme**

Daily clinical classes are held in the OPD where residents present short cases to the consultant. The evening round on new admissions is supervised by a senior resident. Cases of clinical interest, Journal Clubs and seminars are presented by the residents on Wednesday.

### **Academic Schedule**

Time: 8 a.m.–9 a.m., Wednesday

Venue: Hall B, Auditorium

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
01.01.14	Symposium: AIDS <ul style="list-style-type: none"> <li>• Ocular manifestation</li> <li>• Management strategies</li> </ul>	Dr Sonia Dr Shalini
08.01.14	Case presentation Case presentation	Dr Abhishek Dr Azher
15.01.14	Symposium: Retinoblastoma <ul style="list-style-type: none"> <li>• Clinical examination and diagnosis</li> <li>• Management</li> </ul>	Dr Azher Dr Shefali

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
22.01.14	Case presentation Case presentation	Dr Sonia Dr Shalini
29.01.14	Optic neuritis <ul style="list-style-type: none"> <li>• Clinical features</li> <li>• Management</li> </ul>	Dr Abhishek Dr Sonia
05.02.14	Case presentation Case presentation	Dr Azher Dr Shefali
12.02.14	Miscellaneous optic neuropathies <ul style="list-style-type: none"> <li>• Toxic</li> <li>• Drug</li> </ul>	Dr Shalini Dr Azher
19.02.14	Case presentation Case presentation	Dr Abhishek New Resident
26.02.14	Disorders of chiasma <ul style="list-style-type: none"> <li>• Pituitary adenoma</li> <li>• Craniopharyngioma and meningioma</li> </ul>	Dr Shefali Dr Abhishek
05.03.14	Case presentation Case presentation	New Resident Dr Azher
12.03.14	Nystagmus <ul style="list-style-type: none"> <li>• Classification and causes</li> <li>• Management</li> </ul>	Dr Abhishek Dr Azher
19.03.14	Case presentation Case presentation	Dr Shefali Dr Abhishek
26.03.14	Journal Club	Dr Prakhar
02.04.14	Case presentation Case presentation	Dr Abhishek New Resident
09.04.14	Orbital fractures <ul style="list-style-type: none"> <li>• Classification, diagnosis and evaluation</li> <li>• Management</li> </ul>	Dr Shefali New Resident
16.04.14	Case presentation Case presentation	Dr Shefali New Resident
23.04.14	Symposium <ul style="list-style-type: none"> <li>• Entropion</li> <li>• Cicatricial and traumatic</li> </ul>	Dr Shefali Dr Abhishek
30.04.14	Case presentation Case presentation	New Resident Dr Abhishek
07.05.14	Symposium: Paediatric cataract <ul style="list-style-type: none"> <li>• Aetiology and clinical features</li> <li>• Management</li> </ul>	New Resident Dr Azher

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>
14.05.14	Case presentation	Dr Shefali
	Case presentation	Dr Azher
21.05.14	Symposium: Congenital ptosis	
	• Anatomy of LPS and principle of ptosis surgery	New Resident
	• Complications of ptosis surgery	Dr Shefali
28.05.14	Case presentation	Dr Abhishek
	Case presentation	New Resident
04.06.14	Journal Club	Dr Palak
11.06.14	Case presentation	Dr Abhishek
	Case presentation	New Resident
18.06.14	Medical management of glaucoma	
	• Target pressure and antiglaucoma drugs	New Resident
	• Side-effects of antiglaucoma drugs	Dr Azher
25.06.14	Journal Club	Dr Bhartendu

### **Vitreo Retina fellowship programme**

Every 2nd and 4th Saturday there will be a V.R. Symposium/ Case presentation/ Journal Club from 8 a.m. to 9 a.m.

### **Ward Round**

Ward round by Senior Residents every Monday and Friday from 6 p.m. to 7 p.m.

*Chairperson:* Dr V.K. NIJHAWAN

*Teaching Coordinator:* Dr V.B. BHASIN

**Requirements**

The students are required to maintain log-books in which all cases presented, lectures/ seminars/ Journal Clubs and emergencies attended during duties will be recorded. The log book will be checked once a week by the Head of the Unit and once a month by the Head of the Department.

**Attendance**

A minimum attendance of 75% is needed for all the above-mentioned disciplines in the Orthopaedic Training Schedule, failing which DNB students will not be issued the certificate necessary to appear for the examination.

**Radiology Conference**

Each postgraduate student is required to attend the Radiology Conference held every week on Thursday.

Postgraduates are also required to attend an interdisciplinary clinical meeting of all the departments in the hospital held once a month. They are also required to attend other disciplines as per schedule in the DNB course rotation.

**Examinations**

Theory tests are held on the last Friday of February, April, June, August, October and December covering topics according to the schedule.

**Seminar/ Journal Club**

Time: 11:45 a.m.–12:45 p.m., Thursday

Venue: Seminar Room

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
02.01.14	Patho-anatomy of club foot and management	Dr Kaushal	Dr R. Bhalla
09.01.14	Journal Club	Dr Ankit	Dr V.K. Nijhawan
16.01.14	Tuberculosis of the spine	Dr Harish	Dr K.L. Kalra
23.01.14	Journal Club	Dr Sandeep	Dr V.B. Bhasin
30.01.14	Acute flexor tendon injuries of the hand	Dr Keval	Dr Rajat Chopra
06.02.14	Journal Club	Dr Harish	Dr Gaggan Chadha
13.02.14	SCFE—pathology and management	Dr Sandeep	Dr Sarabjeet Singh

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
20.02.14	Journal Club	Dr Kaushal	Dr Prateek Gupta
06.03.14	Lisfranc fracture dislocation	Dr Ravi	Dr Rajat Chopra
13.03.14	Journal Club	Dr Deepesh	Dr Manish Dhawan
20.03.14	Calcium metabolism and radiology features of rickets	Dr Peeyush	Dr Amarjeet Singh
27.03.14	Journal Club	Dr Keval	Dr Satish Kumar
03.04.14	Use of stem cells in musculo-skeletal disorders	Dr Harish	Dr Ashis Acharya
10.04.14	Journal Club	Dr Ravi	Dr D.K. Dhiraj
17.04.14	Thoracic outlet syndrome	Dr Ankit	Dr Brajesh Nandan
24.04.14	Journal Club	Dr Harish	Dr V.K. Nijhawan
01.05.14	Damage control orthopaedics	Dr Keval	Dr R. Bhalla
08.05.14	Journal Club	Dr Ankit	Dr V.B. Bhasin
15.05.14	Radial nerve palsy—causes, clinical features and management	Dr Deepesh	Dr Gaggan Chadha
22.05.14	Journal Club	Dr Peeyush	Dr Prateek Gupta
29.05.14	Deep venous thrombosis in orthopaedics	Dr Sandeep	Dr Satish Kumar

### Grand Round

A Grand Round of 2 hours will be held once a month conducted by the Chairman, Department of Orthopaedics.

### Case Demonstration

Time: 11 a.m.–12 noon

Case demonstration will be held during every general OPD from Monday to Saturday. Each postgraduate will present a case attached to the particular unit conducting the OPD. This will be followed by a Ward Round.

### Ward Round

Venue: Starts from B Block, 3rd Floor

The ward round is taken every day at a time specified for each unit.

<i>Day/ Unit</i>	<i>Time</i>	<i>Supervisor(s)</i>
Monday/ Unit-I	12 noon to 1 p.m.	Dr Bhalla/ Sarabjeet/ Rajat Chopra
Tuesday/ Unit-II	12 noon to 1 p.m.	Dr Nijhawan/ Dhawan/ Brajesh
Wednesday/ Unit-III	2 p.m. to 3 p.m.	Dr Chadha/ Dr Satish



<i>Day/ Unit</i>	<i>Time</i>	<i>Supervisor(s)</i>
Thursday/ Unit-I	12 noon to 1 p.m.	Dr Bhalla/ Sarabjeet/ Rajat Chopra
Friday/ Unit-II	12 noon to 1 p.m.	Dr Nijhawan/ Dhawan/ Brajesh
Saturday/ Unit-III	2 p.m. to 3 p.m.	Dr Chadha/ Dr Satish

### **Senior Resident Teaching**

All senior residents will take regular ward rounds with DNB students for bedside teaching. The senior residents will take one class per week in rotation.

### **Postings**

Each postgraduate will be posted in the following departments:

<i>Department</i>	<i>Duration</i>
Plastic Surgery	One month
General Surgery	Two months
Neurosurgery	Two months

Each postgraduate will be on rotation for night duty as well as daytime emergency duty, which will include casualty work at least twice a week.

*Chairperson:* Dr AJAY SWAROOP

*Vice-Chairperson:* Dr DEVINDER RAI

*Teaching Coordinator:* Dr MANISH MUNJAL

### **Brief Outline**

The DNB course in ENT is spread over 3 years. The aim is to produce a complete Ear, Nose and Throat Specialist, well-versed in the theoretical aspects, as well as a competent and safe surgeon.

An attempt is made during the period of the course to impart an overview of the standard teachings as well as recent advances in the speciality. The student is actively involved in various surgical procedures and total patient care, ranging from OPD work-up, writing of case records, surgery and postoperative care.

In the course of these three years, the trainee is expected to

- inculcate a clear and comprehensive knowledge of the fundamentals of otorhinolaryngology.
- develop clinical skills in patient care in the OPD, casualty and wards in order to diagnose, investigate, plan and execute their medical and surgical treatment independently.
- to acquire skills to do basic and clinical research in otorhinolaryngology.
- to acquire teaching skills to be able to impart knowledge and technical skills to undergraduates, postgraduates and nursing students.
- to develop a sense of self appraisal, learning and advancement through literature and CME programmes in the field of otorhinolaryngology.

### **Clinical skill enhancement**

- the outpatient department of otorhinolaryngology is equipped with an operating microscope, nasal and fibre-optic laryngoscope which are attached to an endoscopic camera and monitor with a recording system. Diagnostic as well as minor procedures are being carried out by the trainees independently under the supervision of the senior residents/consultants.
- in the operation theatre, all surgeries can be viewed on the monitor for learning as well as for its supervision when being performed by the trainees.
- Navigation image-guided surgery is also being conducted which allows the trainee to correlate CT scan anatomy of the nose, paranasal sinuses and skull base, with an online endoscopic surgical one.
- temporal bone dissection is being carried out by the trainees in the clinical skills centre.

- the trainees attend and participate in various CME surgical workshops which are being conducted by the department periodically and annually. These are ear surgery and temporal bone dissection, cochlear implant surgery and endoscopic sinus surgery.

#### Acquiring skills

- emergency—to be able to independently/ under supervision handle emergency situations such as foreign body removal, epistaxis, trauma, tracheostomy, intubation and others
- surgery—to perform independently but under supervision, surgical procedures such as tympanoplasty, mastoidectomy, myringotomy, adenoidectomy, tonsillectomy, septoplasty, FESS, MLS, biopsies and others
- to have assisted in surgeries such as the cochlear implant, middle ear implant, parotidectomy, thyroidectomy, laryngectomy, maxillectomy, neck dissection, laser surgeries for voice disorders and other indications, tracheal stenosis, choanal atresia, optic nerve decompression, orbital decompression, DCR, pituitary fossa surgery, anterior and lateral skull base surgery, CSF rhinorrhoea and others.

#### Requirements

The DNB student maintains a log book in which all cases seen and discussed, all operations assisted or performed, are entered and countersigned by the consultant. The student is supposed to attend the hospital 6 days a week from 8 a.m. to 4 p.m. The student does one emergency duty per week on an average, with Sunday duty by rotation.

#### Examinations

Every 2 months, a multiple choice examination of the topics covered is held and grades are assigned. Every 6 months, a clinical examination consisting of long and short cases, is taken.

#### Postings

Each student is posted by rotation for 2 weeks in ancillary departments such as Pathology, Haematology and Radiology.

#### Journal Club/ Case Presentation/ OSCE

Time: 1 p.m.–2 p.m., Wednesday

Venue: ENT OPD Lecture Hall B, Nurses' Hostel

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>
08.01.14	Case presentation	Dr Shikhar
15.01.14	Journal Club	Dr Swati
22.01.14	OSCE	Dr Sangeet
29.01.14	Case presentation	Dr Sourabh
05.02.14	Journal Club	Dr Anurag
12.02.14	OSCE	Dr Sangeet
19.02.14	Case presentation	Dr Shikhar
26.02.14	Journal Club	Dr Sarika
05.03.14	OSCE	Dr Sangeet
12.03.14	Case presentation	Dr Sourabh
19.03.14	Journal Club	Dr Swati
26.03.14	OSCE	Dr Sangeet
02.04.14	Case presentation	Dr Shikhar
09.04.14	Journal Club	Dr Anurag
16.04.14	OSCE	Dr Sangeet
23.04.14	Case presentation	Dr Sourabh
30.04.14	Journal Club	Dr Sarika
07.05.14	OSCE	Dr Sangeet
14.05.14	Case presentation	Dr Shikhar
21.05.14	Journal Club	Dr Swati
28.05.14	OSCE	Dr Sangeet
04.06.14	Case presentation	Dr Sourabh
11.06.14	Journal Club	Dr Anurag
18.06.14	OSCE	Dr Sangeet
25.06.14	Case presentation	Dr Shikhar

*Theory/practical examination: 1st teaching day of every month*

### **Seminars**

Time: 1 p.m.–2 p.m., every Monday and Thursday  
 Venue: Lecture Hall B, Nurses' Hostel

<i>Date</i>	<i>Subject</i>	<i>Presenter</i>
02.01.14	Anatomy of the neck	Dr Shikhar
06.01.14	Neck dissection	Dr Sourabh
09.01.14	Complications of head and neck surgery	Dr Shikhar
13.01.14	Carcinoma larynx	Dr Sourabh

<i>Date</i>	<i>Subject</i>	<i>Presenter</i>
16.01.14	Treatment of carcinoma larynx	Dr Shikhar
20.01.14	Rehabilitation post-laryngectomy	Dr Sourabh
23.01.14	Oropharyngeal malignancies	Dr Shikhar
27.01.14	Hypopharyngeal malignancies	Dr Sourabh
30.01.14	Salivary gland tumours	Dr Shikhar
06.02.14	Treatment of salivary gland tumours	Dr Sourabh
10.02.14	Sinonasal tumours	Dr Shikhar
13.02.14	Angiofibroma	Dr Sourabh
17.02.14	Nasopharyngeal carcinoma	Dr Shikhar
20.02.14	Approaches to nasopharynx and skull base	Dr Sourabh
24.02.14	Deep neck space infections	Dr Shikhar
27.02.14	Head and neck reconstructions—I	Dr Sourabh
06.03.14	Laryngotracheal stenosis and management	Dr Shikhar
10.03.14	Head and neck reconstructions—II	Dr Sourabh
13.03.14	Anatomy of the cranial nerve	Dr Shikhar
17.03.14	Anatomy of the facial nerves	Dr Sourabh
20.03.14	CP angle—anatomy and approaches	Dr Shikhar
24.03.14	Acoustic neuroma	Dr Sourabh
27.03.14	Otosclerosis	Dr Shikhar
31.03.14	Meniere's disease	Dr Sourabh
03.04.14	Cholesteatoma	Dr Shikhar
07.04.14	CSOM—acute and chronic	Dr Sourabh
10.04.14	CSOM—complications and management	Dr Shikhar
14.04.14	Congenital malformations of the ear	Dr Sourabh
17.04.14	Disease of the external ear	Dr Shikhar
21.04.14	Hearing reconstruction surgeries	Dr Sourabh
24.04.14	Cochlear implantation	Dr Shikhar
28.04.14	Cochleovestibular anomalies	Dr Sourabh
01.05.14	Recent advances in ENT	Dr Shikhar
05.05.14	Lasers in ENT	Dr Sourabh
08.05.14	CSF rhinorrhoea	Dr Shikhar
12.05.14	FESS—indication and complications	Dr Sourabh
15.05.14	Maxillofacial trauma	Dr Shikhar
19.05.14	Shock and blood transfusion	Dr Sourabh
22.05.14	DVT and coagulation	Dr Shikhar
26.05.14	Bacterial and viral diseases in ENT	Dr Sourabh
29.05.14	HIV in ENT	Dr Shikhar
02.06.14	PET, MRI and newer diagnostic modalities in ENT	Dr Sourabh
05.06.14	Local anaesthesia in ENT	Dr Shikhar

<i>Date</i>	<i>Subject</i>	<i>Presenter</i>
09.06.14	Antibacterial and antiviral agents in ENT	Dr Sourabh
12.06.14	Chemotherapy and radiotherapy in ENT	Dr Shikhar
16.06.14	Thyroid neoplasm and management	Dr Sourabh
19.06.14	Waste management protocols	Dr Shikhar
23.06.14	Vertigo—diagnosis and treatment	Dr Sourabh
26.06.14	Rhinoplasty	Dr Shikhar
30.06.14	ENT manifestation of systemic diseases	Dr Sourabh

### Ward Round

Time: 9 a.m.–11 a.m.

Venue: ENT General Ward

<i>Day</i>	<i>Supervisor</i>
Monday/ Thursday	Dr Ajay Swaroop/ Dr Alok Agarwal
Tuesday/ Friday	Dr D. Rai/ Dr Munjal
Wednesday/ Saturday	Dr Anil Monga/ Dr A.K. Lahiri/ Dr Shalabh Sharma/ Dr Nitin

### General OPD

Time: 9 a.m.–11 a.m.

<i>Day</i>	<i>Unit</i>
Monday/ Thursday	Dr A.K. Monga/ Dr Nitin Aggarwal
Tuesday/ Friday	Dr Ajay Swaroop/ Dr Alok Agarwal
Wednesday/ Saturday	Dr Devinder Rai/ Dr Manish Munjal

### Special clinics

F-60 (Wed)	9 a.m.–11 a.m.	Vertigo Clinic (Dr Ajay Swaroop/ Dr Nitin Aggarwal)
F-2 (Wed)	11 a.m.–12 noon	Cochlear Implant Clinic (Dr A.K. Lahiri/ Dr Shalabh Sharma)

*Advisor:* Dr N.C. NAYAK

*Director (Histopathology):* Dr SUNITA BHALLA

*Director (Cytopathology):* Dr KUSUM VERMA

*Teaching Coordinator:* Dr PREM CHOPRA

The Department of Pathology started the DNB course in June 2001; one to two new candidates are admitted in June every year. Besides a wide range of academic activities designed for DNB trainees in Pathology as detailed below, the department also provides academic inputs for various running and ad hoc academic programmes of the hospital involving individual and combined disciplines.

DNB pathology trainees are required to participate in the following programmes:

- Gross specimen conference                      12 noon–1 p.m. on the 1st Monday of the month
- Histopathology slide conference              2 p.m.–3 p.m. on the 2nd Friday and 4th Thursday of the month
- Cytopathology slide conference                2 p.m.–3 p.m. on the 3rd Saturday of the month
- Haematology seminar                              Once a month  
(Haematology Department)
- Journal Club    2:30 p.m.–3:30 p.m. on the 2nd Thursday of the month  
Conference Room (Administration)
- Seminars on current topics of interest        4th Monday of the month  
(Pathology Department)
- Tutorials    2nd Monday of the month
- Pathology meeting:  
Case discussions on clinico-pathological aspects                      2:15 p.m.–3:15 p.m. on the 1st and 3rd Thursday of the month
- Neuropathology in neurosciences            1 p.m.–2 p.m. on every Monday and Thursday of the month
- Liver transplant pathology conference        Twice a month
- Clinicopathological conference (CPC)        2:30 p.m.–3:30 p.m., 6 times a year
- Clinical meeting                                    11:30 a.m.–12:30 p.m. on every Tuesday and Friday of the month

- Slide seminar on nephropathology 9 a.m.–10 a.m. on every Tuesday of the month with nephrology residents (Pathology Department)

DNB trainees from the following disciplines are posted for short-term in the department.

- Orthopaedic pathology
- Obstetric and gynaecological pathology
- Ophthalmic pathology
- Gastrointestinal pathology
- ENT

DNB students will discuss various topics of interest with the staff of the Departments of Biochemistry, Blood Bank, Genetics and Haematology.

### DNB Tutorials

Time: 12 noon–1 p.m., 2nd and 3rd Monday of the month

Venue: Department of Pathology

<i>Date</i>	<i>Topic</i>	<i>Discussor</i>	<i>Moderator</i>
13.01.14	Structure of cell (including ultra-structure) and cell death	Dr Ankita	Dr Seema Rao
20.01.14	Research thesis presentation	Dr Archana	Dr Sunila Jain
10.02.14	Screening strategies in cervical carcinoma	Dr Archana	Dr K. Verma
17.02.14	Cellular adaptations of growth and differentiation. Discuss various types of intracellular accumulations and their characterization	Dr Prakriti	Dr S. Roy
10.03.14	Malignant tumours of prostate. Update of Gleason grading of prostatic carcinomas	Dr Reema	Dr P. Chopra
24.03.14	Research presentation	Dr Pallav	–
14.04.14	Molecular differences in FAP syndrome and HNPCC and helpful cancer markers in their differentiation	Dr Riti	Dr Shashi Dhawan
21.04.14	Diagnosis of lung cancer in small biopsy and cytology. Implications of the 2010 IASLC/ ATS/ERS classification	Dr Richa	Dr Gagandeep Kaur



<i>Date</i>	<i>Topic</i>	<i>Discussor</i>	<i>Moderator</i>
12.05.14	Viral hepatitis—serological and pathological findings	Dr Vrushali	Dr Sunita Bhalla
19.05.14	Tumours of thymus; classification and morphological features of thymoma	All residents	Dr Shashai Dhawan

- Tutorials to be held on 2nd and 3rd Mondays of the month from 12 noon to 1 p.m.
- Residents need to meet the Consultants at least two weeks before the tutorial for discussion of contents of the topic, etc. and prepare a PowerPoint (PPT) presentation of the topic allocated against their name.
- The moderator/consultant may please ensure participation of all residents besides the one who is presenting.
- All junior and senior residents to participate.
- Written (theory) examination will be held related to the above topics.

### Journal Club

Time: 2:15 p.m.–3:15 p.m., 2nd Thursday

Venue: Board Room

<i>Date</i>	<i>Moderator</i>	<i>Speaker</i>
09.01.14	Dr P. Chopra	Dr Vrushali
13.02.14	Dr Seema Rao	Dr Archana
13.03.14	Dr Shashi Dhawan	Dr Reema
08.04.14	Dr Salil Narang	Dr Ankita
10.05.14	Dr Pooja Bakshi	Dr Prakriti

*Chairperson:* Dr (SURG CMDE) V.S. BEDI

*Teaching Coordinator:* Dr AJAY YADAV

A three-year diploma course started in January 2008. Applications for the above course are available from the NBE office, Delhi.

A two-year fellowship programme (recognized by NBE) which was conducted from January 2001 is now withdrawn.

### **Lecture**

Time: 2 p.m.–3 p.m., alternate Tuesday

Venue: Seminar Room

The department will hold the following lectures for DNB students of Surgery, Medicine, Anaesthesia and Paediatrics. These are in addition to the lectures held as per schedule of the Department of General Surgery.

<i>Date</i>	<i>Subject</i>	<i>Speaker</i>	<i>Moderator</i>
14.01.14	Management of carotid body tumour	Dr Nanavati	Dr A. Satwik
21.01.14	Evaluation and management of venous thrombosis	Dr M. Venkatesh	Dr A.Yadav
04.02.14	Diabetic foot	Dr Rahul Sidharth	Dr S. Agarwal
18.02.14	Management of varicose veins	Dr Karan	Dr V.S. Bedi
04.03.14	Aneurysm and its treatment	Dr Ganesh K.	Dr A. Satwik
18.03.14	Vascular trauma	Dr M. Venkatesh	Dr A. Yadav
08.04.14	Vascular malformation	Dr Sukhram	Dr S.Agarwal
15.04.14	Management of critical limb ischaemia	Dr Nanavati	Dr V.S.Bedi
29.04.14	Lymph oedema—evaluation and management	Dr Rahul Sidharth	Dr A. Satwik
13.05.14	Evaluation and management of DVT	Dr Ganesh K.	Dr A. Yadav
27.05.14	Management of acute limb ischaemia	Dr M. Venkatesh	Dr S. Agarwal

### **Journal Club**

Time: 2 p.m.–3 p.m., Wednesday and Saturday

Venue: Vascular Laboratory Room No. 150

**Vascular Interventions**

Time: 8 a.m.–1 p.m., Monday–Saturday

Venue: Catheterization Laboratory, 5th Floor

**Vascular Duplex Scan**

Time: 4 p.m.–6 p.m., daily

Venue: Ultrasound Department

**Grand Round**

Time: 12 noon, Wednesday and Saturday

**Operation days:** Monday, Tuesday, Thursday, Friday and emergencies (when they arise)

**Operation time:** 8 a.m.–4 p.m.

All cases for elective surgery are discussed in detail with emphasis on the surgical approach, alternative procedures, angiography and X-ray findings on the day preceding the operation.

*Chairperson:* Dr S.S. SAHA

*Teaching Coordinator:* Dr LALIT CHAUDHARY

The Department of Plastic Surgery has 2 units. The department comprises an Emeritus consultant, 3 senior consultants, 3 consultants, 2 associate consultants.

There is a Surgical Skills centre with an operating microscope to learn microvascular surgery and endotrainer to learn endoscopic surgery.

The ward round in the units starts at 9 a.m. on Monday, Wednesday and Saturday. The department has five operating days on Tuesday, Wednesday, Thursday, Friday and Saturday. The department runs a charity project—Smile Train Sir Ganga Ram Hospital, Cleft Project for free operations of poor patients with cleft lip and palate.

The department conducts its academic meetings on Mondays, Saturdays and on second Mondays. The faculty takes part in delivering lectures and coordinating seminars with DNB students.

### **Brief Outline of the Academic Programme**

The curriculum of the Department of Plastic Surgery aims to make the trainees independent surgeons with basic training and knowledge of Plastic Surgery. The trainee is required to do the following:

- To be highly competent in the field of Plastic Surgery
- To be able to function independently as a Plastic Surgeon in a teaching or non-teaching hospital
- To acquire skills to diagnose, investigate, plan and execute surgical treatment of patients requiring plastic surgical procedures
- To acquire skills to do basic and clinical research in Plastic Surgery
- To acquire teaching skills to be able to propagate Plastic Surgery and transfer knowledge and technical skills to postgraduates, undergraduates and nursing students
- To acquire the ability for self-learning, critical appraisal of the literature and modern developments in Plastic Surgery
- To be competent in the intensive and subsequent care of severe burn patients.

### **Syllabus**

#### **General principles**

- History of Plastic Surgery and its broad scope at present
- Anatomy and function of the skin

- Split-skin grafts and full-thickness skin grafts, their 'take' and subsequent behaviour
- Local skin flaps
- Pedicled skin flaps and tubes
- Unstable scar and scar contracture
- Care of wounds, dressings, techniques and splints
- Wound healing
- Grafts—fat, fascia, tendon, nerve, cartilage and bone
- Infective skin gangrene
- Hospital infections
- Suture materials
- Surgical instruments
- Implant materials used in Plastic Surgery
- Principles of genetics and general approach to the management of congenital malformations
- Flaps—fasciocutaneous, muscle, musculocutaneous, osteomyocutaneous
- Local anaesthesia, nerve blocks, regional anaesthesia
- Principles of anaesthesia for infants, adults, hypothermia, hypotensive anaesthesia
- Tissue expansion
- Keloids, hypertrophic scars
- Endoscopy in Plastic Surgery

## **Face**

- Growth and developmental changes in the face, anatomy of the facial skeleton
- Structure and development of the teeth
- Leprosy deformities of the face
- Temporomandibular joint dysfunctions
- Fractures: Nose, maxilla, mandible, zygoma, orbit—early management and treatment of sequelae
- Corrective rhinoplasty
- Reconstructive rhinoplasty
- Facial paralysis
- Reconstruction of the external ear
- Reconstruction of the eyelids, ptosis
- Congenital deformities of the face and jaw bone

## **Cleft lip and palate and craniofacial anomalies**

- Embryology of the head and neck (excluding central nervous system)
- Regional anatomy of the head and neck
- Embryogenesis of cleft lip and palate

- Cleft lip and palate, alveolar clefts
- Velopharyngeal incompetence
- Orthodontics, speech therapy in cleft lip and palate
- Principles of craniofacial surgery
- Rare craniofacial clefts, Tessier, clefts, craniosynostosis, hypertelorism, craniofacial microsomia

### **Tumours of the head and neck and skin**

- Vasoformative lesions of the skin and adnexae
- Jaw tumours
- Cancer of the upper aerodigestive system
- Reconstruction of the mandible
- Reconstruction of the maxilla
- Malignant and benign tumours of the head and neck
- Tumours of the skin
- Principle of prosthetic replacement of jaw defects

### **Trunk**

- Reconstruction of full-thickness defects of the abdomen and thorax
- Decubitus ulcer
- Breast reconstruction

### **Aesthetic surgery**

- Chemical peeling and dermabrasion
- Blepharoplasty
- Face lift
- Abdominoplasty
- Body contouring, liposuction
- Reduction mammoplasty
- Augmentation mammoplasty
- Lasers in Plastic Surgery

### **Lower extremity**

- Functional anatomy of the foot
- Lymphoedema
- Reconstructive surgery of the lower extremity
- Leprosy deformities of the leg and foot

### **Genitourinary system**

- Embryology of the male and female external genitalia
- Anatomy of the male and female external genitalia

- Hypospadias
- Epispadias and ectopia vesicae
- Reconstruction of the external genitalia
- Vaginoplasty
- Trans-sexualism (intersex)

## **Hand**

- Functional anatomy of the hand
- Embryology of the upper extremities
- Examination of the hand
- General principles of hand surgery
- Principles of reconstruction in mutilating hand injuries
- Treatment of acute hand injuries
- Principles of treatment of old and neglected hand deformities
- Rheumatoid arthritis of the hand
- Hand infections
- Flexor tendon injuries
- Extensor tendon injuries
- Congenital deformities of the hand, finger and thumb
- Peripheral nerve injuries: Electrodiagnostic tests
- Rehabilitation after hand injuries: Prosthesis
- Fractures and dislocation of the hand—metacarpals and phalanges
- Fingertip injuries
- Nail—injuries, grafting
- Problem of small joints
- Nerve compression syndromes
- Surgery for the spastic and tetraplegic hand
- Vasospastic disorders of the hand
- Ischaemic conditions of the upper extremity
- Dupuytren disease
- Finger pollicization
- Thumb reconstruction
- Lymphoedema in the upper extremity
- Tendon transfers for radial, ulnar and median nerve injuries
- Brachial plexus injury
- Innervated flaps
- Physiotherapy in the upper limb
- Leprosy deformity of the hand
- Benign and malignant tumours of the hand

## **Microsurgery**

- Principles of microsurgery and its applications in Plastic Surgery
- Reimplantation and revascularization surgery

- Free flaps
- Microvascular tissue transfers

### Burns

- Organization of a burns unit
- Principles of planning in the event of a burn disaster
- Pathophysiology of burn shock
- Nutrition in burns
- Burn wound infection, sepsis
- Thermal burns
- Electrical burns
- Chemical burns
- Radiation burns
- Tangential and sequential excision
- Facial burns
- Reconstruction of a burnt hand and upper extremity
- Post-burn contractures—treatment of sequelae

### Teaching Schedule

Cleft lip and palate clinic	11 a.m.–12 noon, Wednesday
Departmental seminar	1 p.m.–2 p.m. Saturday, twice a month
Journal Club	1 p.m.–2 p.m. Saturday, twice a month
Clinical presentation	1 p.m.–2 p.m., every Monday
Monthly audit	2nd Monday, every month

### Academic Programme

Time: 1 p.m.–2 p.m., Monday and Saturday

Venue: Auditorium

<i>Date</i>	<i>Topic</i>	<i>Moderator</i>	<i>Presenter</i>
06.01.14	Journal Club	Dr S.S. Saha	Dr Ritesh Panda
11.01.14	Lip reconstruction	Dr Lalit Chaudhary	Dr Sasidhar
<b>13.01.14</b>	<b>Audit</b>	<b>Dr Mahesh Mangal</b>	
18.01.14	Cleft lip	Dr S.S. Gambhir	Dr Sasidhar
20.01.14	Thumb reconstruction	Dr Anubhav K. Gupta	Dr Ritesh Panda
25.01.14	Finger tip injury	Dr Bheem Singh Nanda	Dr Sasidhar
27.01.14	Skin anatomy	Dr Vivek Kumar	Dr Chirayu
01.02.14	Flexor tendon	Dr S.S. Saha	Dr Sasidhar
03.02.14	Extensor tendon	Dr Lalit Chaudhary	Dr Ritesh Panda
08.02.14	Dressing material	Dr Mahesh Mangal	Dr Sasidhar
10.02.14	Face anatomy	Dr S.S. Gambhir	Dr Chirayu
15.02.14	Alloplastic implant	Dr Anubhav K. Gupta	Dr Ritesh Panda



<i>Date</i>	<i>Topic</i>	<i>Moderator</i>	<i>Presenter</i>
<b>17.02.14</b>	<b>Audit</b>	<b>Dr Bheem Singh Nanda</b>	
22.02.14	Suture material	Dr Vivek Kumar	Dr Chirayu
24.02.14	Case presentation	Dr S.S. Saha	Dr Ritesh Panda
01.03.14	Skin grafting	Dr Lalit Chaudhary	Dr Chirayu
03.03.14	Case presentation	Dr Mahesh Mangal	Dr Ritesh Panda
08.03.14	Flap head and neck	Dr S.S. Gambhir	Dr Sasidhar
10.03.14	Fluid and electrolyte	Dr Anubhav K. Gupta	Dr Chirayu
15.03.14	Eyelid reconstruction	Dr Bheem Singh Nanda	Dr Ritesh Panda
<b>17.03.14</b>	<b>Audit</b>	<b>Dr Vivek Kumar</b>	
22.03.14	Case presentation	Dr S.S. Saha	Dr Sasidhar
24.03.14	Nose reconstruction	Dr Lalit Chaudhary	Dr Ritesh Panda
29.03.14	Case presentation	Dr Mahesh Mangal	Dr Ritesh Panda
31.03.14	Z plasty	Dr S.S. Gambhir	Dr Chirayu
05.04.14	Case presentation	Dr Anubhav K. Gupta	Dr Sasidhar
07.04.14	Bone grafting	Dr S.S. Saha	Dr Chirayu
12.04.14	Case presentation	Dr Lalit Chaudhary	Dr Ritesh Panda
14.04.14	Fat/ muscle graft	Dr Mahesh Mangal	Dr Ritesh Panda
19.04.14	Burns—pathophysiology	Dr S.S. Gambhir	Dr Chirayu
<b>21.04.14</b>	<b>Audit</b>	<b>Dr Anubhav K. Gupta</b>	
26.04.14	Case presentation	Dr Bheem Singh Nanda	Dr Sasidhar
28.04.14	Hair transplantation	Dr Vivek Kumar	Dr Ritesh Panda
03.05.14	Vascular malformation	Dr S.S. Saha	Dr Sasidhar
05.05.14	Cartilage graft	Dr Lalit Chaudhary	Dr Chirayu
10.05.14	Local flaps	Dr Mahesh Mangal	Dr Sasidhar
12.05.14	Facial flap	Dr S.S. Gambhir	Dr Ritesh Panda
17.05.14	Breast reconstruction	Dr Anubhav K. Gupta	Dr Ritesh Panda
<b>19.05.14</b>	<b>Audit</b>	<b>Dr Bheem Singh Nanda</b>	
24.05.14	Abdominoplasty	Dr Vivek Kumar	Dr Sasidhar
26.05.14	Breast reduction	Dr S.S. Saha	Dr Ritesh Panda
31.05.14	Wound healing	Dr Lalit Chaudhary	Dr Chirayu
02.06.14	PBC hand	Dr Mahesh Mangal	Dr Ritesh Panda
07.06.14	Hypospadias	Dr S.S. Gambhir	Dr Sasidhar
09.06.14	Penile reconstruction	Dr Anubhav K. Gupta	Dr Ritesh Panda
14.06.14	Ear and nose anatomy	Dr Bheem Singh Nanda	Dr Chirayu
<b>16.06.14</b>	<b>Audit</b>	<b>Dr Vivek Kumar</b>	
21.06.14	Ear reconstruction	Dr S.S. Saha	Dr Ritesh Panda
23.06.14	Mandible reconstruction	Dr Lalit Chaudhary	Dr Sasidhar
28.06.14	Case presentation	Dr Mahesh Mangal	Dr Ritesh Panda
30.06.14	Journal Club	Dr S.S. Gambhir	Dr Sasidhar

*Chairperson:* Dr J.M. WADHAWAN

*Teaching Coordinator:* Dr ANITA MAHAJAN

DNB students make academic presentations by rotation and are expected to attend the following programme:

1. Lectures	Monday, Wednesday and Friday
2. Clinical case discussion	Monday to Friday (11 a.m.–12 noon)
3. Psychopathology	Wednesday (3 p.m.–4 p.m.)
4. Interdisciplinary clinicals	Tuesday and Friday (11:30 a.m.–12:30 p.m.)
5. Journal Club	1st and 3rd Tuesday (9:30 a.m.–10:30 a.m.)
6. Seminars	2nd and 4th Thursday (9:30 a.m.–10:30 a.m.)
7. Radiology class	Thursday (2 p.m.–3 p.m.)
8. Neurology case discussion	Friday (4 p.m.–5 p.m.)
9. Grand medical round	Saturday (1:30 p.m.–2:30 p.m.)

### Seminars

Time: 9:30 a.m.–10:30 a.m., alternate Thursday

Venue: Seminar Room

<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
• Research methods	Dr Saparya	Dr S.C. Malik
• Novel neurotransmitters	Dr Neha	Dr Anita Mahajan
• Intra-neuronal signalling	Dr Saparya	Dr Rajiv Mehta
• Anthropology and psychiatry	Dr Neha	Dr Rajesh Goyal
• Normality	Dr Saparya	Dr J.M. Wadhawan
• Cybernetics	Dr Neha	Dr Anita Mahajan
• Models of drug dependence	Dr Saparya	Dr S.C. Malik
• Schizophrenia: A developmental or a neurodegenerative disorder	Dr Neha	Dr J.M. Wadhawan
• Challenges in treating alcohol dependence	Dr Saparya	Dr V. Kumar
• Understanding personality disorder	Dr Neha	Dr Rajesh Goyal

### Psychology Conference

Time: 10 a.m.–11 a.m., alternate Monday

*Coordinator:* Dr Arti Anand

### Departmental Meeting

Time: 2 p.m.–3 p.m., 2nd Wednesday of the month

Departmental statistical analysis and contemporary clinical issues are discussed.

**Psychotherapy Case Discussion**

Time: 9 a.m.–10 a.m., last Monday of the month

Coordinator: Dr S.C. Malik

DNB students are posted to the following departments for well-rounded development of diagnostic, therapeutic and liaison psychiatric skills:

<i>Departments</i>	<i>Duration (months)</i>
• Ward/ OPD/ Emergency	20
• Neurology	2
• Internal Medicine	2
• Consultation-Liaison	3
• Psychiatry Hospital/ Nursing Home	1
• Clinical Psychology	1
• Drug de-addiction	2
• Child and Adolescent Psychiatry	3
• Community Psychiatry	2

DNB students are encouraged to attend national psychiatric conferences at least once a year. Examinations and periodic appraisals occur as per DNB schedule.

*Chairperson:* Dr ARUP K. BASU

*Teaching Coordinator:* Dr UJJWAL PARAKH

- Clinical case discussion      Friday (9 a.m.–10 a.m.)/ (2 p.m.–3 p.m.)  
as per schedule  
1st Friday—Dr Neeraj Jain/ Dr Arup K. Basu  
2nd Friday—Dr Bobby Bhalotra  
3rd Friday—Dr Ujjwal Parakh  
4th Friday—Dr Amit Dhamija
- Bedside teaching              Daily, during ward rounds
- Seminar                            9 a.m.–10 a.m., Tuesday
- Clinical meeting                11:30 a.m.–12:30 p.m. with other medical  
units on Tuesdays and Fridays
- Journal Club and  
Clinical grand rounds          With other medical units
- Radiology class                 Every Thursday (10 a.m.–11 a.m.)

### **Seminar**

Time: 9 a.m.–10 a.m., Tuesday

<i>Topic</i>	<i>Moderator</i>
1. Ultrasound in chest medicine	Dr Bobby Bhalotra
2. Cough	Dr Amit Dhamija
3. Hypersensitivity pneumonitis	Dr Ujjwal Parakh
4. Dyspnoea	Dr Arup K. Basu
5. Silicosis and occupational lung disease	Dr Neeraj Jain
6. Pulmonary artery hypertension	Dr Bobby Bhalotra
7. DVT and pulmonary embolism—approach and management	Dr Amit Dhamija
8. Connective tissue disease-related ILD	Dr Ujjwal Parakh
9. Community-acquired pneumonia	Dr Arup K. Basu
10. Arterial blood gas	Dr Neeraj Jain
11. PMDT guidelines versus DOTS Plus	Dr Bobby Bhalotra
12. Obstructive sleep apnoea and obesity hypoventilation	Dr Amit Dhamija
13. Acute severe asthma—management	Dr Ujjwal Parakh
14. Respiratory physiology	Dr Arup K. Basu
15. Mesothelioma with recent advances	Dr Neeraj Jain

The postgraduate presenting the seminar is decided on a monthly basis

*Chairperson:* Dr K.K. Saxena

*Teaching Coordinator:* Dr DEEPAK CHAWLA

The 3-year DNB course in Radiodiagnosis is aimed at imparting training in both conventional radiology and modern imaging techniques so that the candidate is fully competent to practise, teach and do research in the broad discipline of radiology including ultrasonography, computed tomography, PET CT, nuclear imaging, and magnetic resonance imaging. On completing the course, a resident should be able to acquire a good basic knowledge of various subspecialties of radiology, to independently conduct and interpret all routine and special radiological and imaging investigations.

The training is spread over 3 years and includes the following components:

1. Rotational posting in various subspecialties.
2. Seminars, Case discussions, Journal Clubs, Film quizzes.
3. Research methodology and dissertation.

### **Requirements**

A log book will be maintained by each resident in which he/she is required to record investigations performed independently, case discussions, Journal Clubs and seminars presented. The log book will be signed by the respective consultant at the end of each rotation and will be presented to external examiners at the time of the final examination.

### **Attendance**

A minimum attendance of 75% is needed in all postings in various subspecialties.

### **Academic Programme**

Weekly seminars, Journal Clubs and case discussions will be held where the residents are required to prepare pre-selected topics under the guidance of a consultant and present it to the full house. In addition, day-to-day assessment of performance of the procedure and reporting by the resident will be done by the consultants in various subspecialties. At the end of each posting, the resident will be assessed by a film quiz. Residents are also posted in the Department of Pathology to study specimens so as to correlate the gross morphology of pathological conditions with imaging features.

### **Clinical Meetings/Conferences**

These are held regularly every 2nd and 4th Thursday. The consultants present cases of academic interest and discussions are held along with the clinician

and pathologist. In addition, all residents are required to attend clinical meetings held every Tuesday and Friday.

### Seminars

Time: 3 p.m.–4 p.m., Wednesday

Venue: Seminar Room

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
01.01.14	Radiology of the hand in systemic diseases	Dr Savitha	Dr Chawla
08.01.14	Radiology of the dwarf child	Dr Navneet	Dr Deeksha
15.01.14	Cervical trauma	Dr Ajay Mehta	Dr Saxena
22.01.14	US of the hip joint	Dr Jigar	Dr Buxi
29.01.14	Skeletal radiology of haematological disorders	Dr Hari Prasad	Dr Samarjeet
05.02.14	Rheumatoid arthritis and other seronegative arthropathies	Dr Supraja	Dr Aditi
12.02.14	Imaging of the knee joint	Dr Savitha	Dr Monika
19.02.14	MRI of the shoulder and brachial plexus	Dr Navneet	Dr Kishan
26.02.14	Radiology of a mass in the RIF	Dr Ajay Mehta	Dr Richa
05.03.14	Radiological evaluation of abdominal trauma	Dr Jigar	Dr Monika
12.03.14	Paediatric chest	Dr Hari Prasad	Dr Bosky
19.03.14	Interstitial lung diseases and miscellaneous lung diseases	Dr Supraja	Dr Arun
26.03.14	Diagnostic and therapeutic intervention in chest diseases	Dr Savitha	Dr Anurag
02.04.14	Hysterosalpingography: Techniques and indications	Dr Navneet	Dr Seema
09.04.14	Imaging of the breast	Dr Ajay Mehta	Dr Samarjeet
16.04.14	Soft tissue changes seen on plain X-ray	Dr Jigar	Dr Deeksha
23.04.14	Thoracic aorta and great vessels	Dr Hari Prasad	Dr Bosky
30.04.14	Angiography: Conventional DSA, CTA and MRA-I	Dr Supraja	Dr Arun
07.05.14	Angiography: Conventional DSA, CTA and MRA-II	Dr Savitha	Dr Anurag
21.05.14	Cardiac failure and pulmonary oedema	Dr Navneet	Dr Seema
28.05.14	Imaging of the pericardium	Dr Ajay Mehta	Dr Richa

### Journal Club

Time: 3 p.m.–4 p.m., Saturday

Venue: Seminar Room

<i>Date</i>	<i>Journal/ Film reading</i>	<i>Speaker</i>	<i>Moderator</i>
04.01.14	<i>Radiographics</i>	Dr A. Mehta	Dr Saxena
11.01.14	<i>Radiology</i>	Dr Jigar	Dr Buxi
18.01.14	<i>American Journal of Roentgenology</i>	Dr Hari Prasad	Dr Chawla
25.01.14	<i>IJR</i>	Dr Supraja	Dr Samarjeet
01.02.14	<i>Radiographics</i>	Dr Savitha	Dr Arun
08.02.14	<i>Radiology</i>	Dr Navneet	Dr Kishan
15.02.14	<i>American Journal of Roentgenology</i>	Dr Ajay Mehta	Dr Anurag
22.02.14	<i>IJR</i>	Dr Jigar	Dr Seema
01.03.14	<i>Radiographics</i>	Dr Hari Prasad	Dr Deeksha
08.03.14	<i>Radiology</i>	Dr Supraja	Dr Kishan
15.03.14	<i>American Journal of Roentgenology</i>	Dr Savitha	Dr Aditi
22.03.14	<i>IJR</i>	Dr Navneet	Dr Richa
29.03.14	<i>Radiographics</i>	Dr Ajay Mehta	Dr Monika
05.04.14	<i>Radiology</i>	Dr Jigar	Dr Bosky
12.04.14	<i>American Journal of Roentgenology</i>	Dr Hari Prasad	Dr Saxena
19.04.14	<i>IJR</i>	Dr Supraja	Dr Buxi
26.04.14	<i>Radiographics</i>	Dr Savitha	Dr Chawla
03.05.14	<i>Radiology</i>	Dr Navneet	Dr Samarjeet
10.05.14	<i>American Journal of Roentgenology</i>	Dr Ajay Mehta	Dr Arun
17.05.14	<i>IJR</i>	Dr Jigar	Dr Kishan
24.05.14	<i>Radiographics</i>	Dr Hari Prasad	Dr Anurag
31.05.14	<i>Radiology</i>	Dr Supraja	Dr Monika

### Spot Film Quiz

Time: 3 p.m.–4 p.m., every Tuesday

Venue: Radiology Department

### CT/MRI film reading

Time: 3 p.m.–4 p.m., every Friday

Venue: Radiology Department

*Chairperson:* Dr HARSHA JAUHARI

The Department of Renal Transplant Surgery has been in existence since 1988 and has conducted over 3000 successful live-donated and cadaveric renal transplants. It has also conducted cadaveric kidney transplants. It has a number of 'firsts' to its credit, e.g. the introduction of CAPD in India. In 2010, 300 patients with CRF underwent CAPD catheter insertion.

There are no postgraduate students in the department and therefore there is no formal teaching programme. However, the department participates in and conducts lectures/ seminars and has informal teaching sessions for PGs in the Departments of Nephrology, Urology and Surgery.

Dr H. Jauhari has been appointed coordinator for conducting an interactive hands-on course on the art of surgery and basic surgical skills for DNB and post-fellowship students of all surgical specialties.

### **Interactive training programme on the 'Art of Surgery'**

Each session will consist of two parts:

**A. Concepts and attitudes:** An audiovisual presentation on the following topics:

1. Introduction to the concept of the 'Art of Surgery'
2. Surgical department and opinions—'I think, therefore I am'
3. Conceptualization and visualization of an operation
4. The OT—sterilization techniques, conduct consistent with sterilization techniques. Effective scrubbing —'When you think you have scrubbed enough scrub once more'
5. Know your instruments: Plan your operation
6. Anaesthesia and the surgeon
7. Surgery and the anaesthetist
8. Panic and the surgeon—'to fuse or defuse'
9. Sudden, massive, unexpected haemorrhage
10. Time-saving techniques—make haste slowly
11. Join the race or get left behind—staying abreast
12. Tissue handling—'gently does it'
13. Ward procedure skills
14. The art of assistance—'standing beside you'
15. Self-doubt, self-audit, self-reliance—optimizing the competence/ confidence ratio. 'This above all—to thine own self be true'



16. Polytrauma
17. Hand–eye coordination
18. Approach to a child as a surgical patient
19. Approach to a woman as a surgical patient
20. Approach to selecting a suitable incision
21. Ward procedure skills
22. Biopsy—how to take a slice
23. Ultrasound in the OT—vascular/ non-vascular

#### B. The surgeon and his tools

*‘Give me the tools and I will finish the job.’*

1. Knives and blades—slicing through
2. Needles—making a point
3. Scissors—the cutting edge
4. Needle holders—holding on
5. Forceps and other instruments
6. Sutures and knots—all sewn up
7. Ambidexterity—a game that two can play
8. Stumps—tied up in knots
9. Catheters and drains
10. Painting, draping and positioning
11. Dressings
12. Anastomosis
13. Cautery

- The order of topics covered may be changed with prior notice.
- Students of all surgical disciplines are expected to attend.
- Suggestions and additions to the above-mentioned topics are welcome.
- Interested consultants and registrars are also welcome to attend and participate.
- A dedicated OT skill centre has been opened based on the above course in the OT complex, for training and skill upgradation of all those involved in surgical specialties.

*Chairperson:* Dr LALIT DUGGAL

The Department of Rheumatology and Clinical Immunology has the following academic activities scheduled from January 2014 to June 2014.

The Department has been allotted a DNB seat from January 2014.

The department does two general OPDs per week. One specialized OPD each for Spondyloarthropathy and Connective tissue diseases and two Intra-articular injection clinics per month are also being done.

### **Daily ward rounds and bedside teaching**

10 a.m.–12 noon

### **Journal Club**

### **Clinical Combined Round**

(Tues) Rheumatology

### **Grand Medical Round**

03/05/14 (Sat) Dr Lalit Duggal/ Dr Neeraj Jain

### **Medical Surgical Round**

Alternate 3rd Friday

### **Rheumatology Seminar and Postgraduate teaching**

Time: 11 a.m.–12 noon, Every Wednesday

Venue: Seminar Room

Time: 10 a.m.–11 a.m., Every Thursday

Venue: Rheumatology Office Room No: 2208A

*Advisor:* Dr SAMIRAN NUNDY

*Chairperson:* Dr SAUMITRA RAWAT

*Teaching Coordinator:* Dr K.R. VASUDEVAN

### **Brief Outline**

The purpose of the programme is to train residents to manage patients with complex surgical disorders of the gastrointestinal tract, liver and pancreas. They will witness different operative procedures and there will be stress on the practical as well as the academic approach to such problems. The trainee will have to maintain good records, both paper and electronic, and should be able to derive messages as well as write papers after analysing these. The residents will also be exposed to liver transplantation procedures.

### **Requirements**

Residents are expected to attend all ward rounds, operating sessions, lectures and seminars.

### **Case Presentation/ Viva**

Time: 8 a.m.–9 a.m., Wednesday

Venue: Seminar Room

Moderators: Dr Samiran Nundy/ Dr Saumitra Rawat/ Dr Suresh Singhvi/  
Dr Naimish Mehta/ Dr K.R. Vasudevan/ Dr Abhideep  
Chaudhary/ Dr Shailendra Lalwani/ Dr Vivek Mangla

A formal case presentation is done to prepare the resident for the 'Long Case' in the clinical examination.

### **Journal Club**

Time: 8 a.m.–9 a.m., Thursday

Venue: Seminar Room

Moderators: Dr Samiran Nundy/ Dr Saumitra Rawat/ Dr Suresh Singhvi/  
Dr Naimish Mehta/ Dr K.R. Vasudevan/ Dr Abhideep  
Chaudhary/ Dr Shailendra Lalwani/ Dr Vivek Mangla

The purpose of the Journal Club is to discuss recent advances in gastrointestinal surgery and train the resident to discriminate between good and bad medical literature. A resident discusses two interesting articles from a journal assigned a week earlier. The articles are first summarized in a structured manner (background, methods, results and conclusions). The work is then critically assessed according to whether it is original, the methods

appropriate and conclusions valid, whether the message is important and whether the department should change its management policies as a result of the publication.

### Topic Discussion/ Research Projects

Time: 8 a.m.–9 a.m., Saturday || Venue: Seminar Room

Moderators: Dr Samiran Nundy/ Dr Saumitra Rawat/ Dr Suresh Singhvi/  
Dr Naimish Mehta/ Dr K.R. Vasudevan/ Dr Abhideep  
Chaudhary/ Dr Shailendra Lalwani/ Dr Vivek Mangla

A topic for discussion is allotted to a resident two weeks in advance, which is usually related to a special problem encountered in the ward. The resident is expected to review the literature and provide a summary in 30 minutes from which a clear message can be drawn. The presentation is made using powerpoint and projected using LCD projector

**Visiting GI Surgeon Round:** On the 4th Thursday of the month we will try and invite a GI surgeon from another hospital to conduct the teaching programme and to take a ward round.

**Radiology Meet:** A discussion of various CT/MRI/contrast studies will be conducted by a consultant in Radiology Department once every 2 weeks.

Time and venue is decided as per availability.

### Case Presentation/Viva

Time: 8 a.m.–9 a.m., Wednesday || Venue: Seminar Room

Presenter: Dr Neeraj/ Dr Manish/ Dr Siddharth/ Dr Manoj/ Dr Subhash

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
22.01.14	Case presentation	Subhash	Dr S. Singhvi
29.01.14	Case presentation	Manoj	Dr Rawat
05.02.14	Case presentation	Tejal	Dr Vasudevan
12.02.14	Case presentation	Subhash	Dr Abhideep
19.02.14	Case presentation	Manoj	Dr Naimish
26.02.14	Case presentation	Subhash	Dr Shailendra
05.03.14	Case presentation	Manoj	Dr Vivek
12.03.14	Case presentation	Subhash	Dr Rawat
19.03.14	Case presentation	Manoj	Dr S. Singhvi
26.03.14	Case presentation	Subhash	Dr Vasudevan
02.04.14	Case presentation	Manoj	Dr Abhideep
09.04.14	Case presentation	Subhash	Dr Naimish
16.04.14	Case presentation	Manoj	Dr Shailendra
23.04.14	Case presentation	Subhash	Dr Vivek

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
30.04.14	Case presentation	Manoj	Dr Rawat
07.05.14	Case presentation	Subhash	Dr S. Singhvi
14.05.14	Case presentation	Manoj	Dr Shailendra
21.05.14	Case presentation	Subhash	Dr Abhideep
28.05.14	Case presentation	Manoj	Dr Naimish

**Journal Club**

Time: 8 a.m.–9 a.m., Thursday      ||      Venue: Seminar Room

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
16.01.14	Journal club	Tejal	Dr Rawat
23.01.14	Journal club	Vinayak	Dr Vasudevan
30.01.14	Journal club	Subhash	Dr Abhideep
06.02.14	Journal club	Shashi	Dr Naimish
13.02.14	Journal club	Sandeep	Dr Shailendra
20.02.14	Journal club	Saurabh	Dr Vivek
27.02.14	Journal club	Hardik	Dr S. Singhvi
06.03.14	Journal club	DNB–1st	Dr Rawat
13.03.14	Journal club	DNB–2nd	Dr Vasudevan
20.03.14	Journal club	DNB–3rd	Dr Abhideep
27.03.14	Journal club	Shashi	Dr Naimish
03.04.14	Journal club	Vinayak	Dr Shailendra
10.04.14	Journal club	Sandeep	Dr Vivek
17.04.14	Journal club	Manoj	Dr S. Singhvi
24.04.14	Journal club	Saurabh	Dr Rawat
01.05.14	Journal club	Hardik	Dr Vasudevan
08.05.14	Journal club	DNB–1st	Dr Abhideep
15.05.14	Journal club	DNB–2nd	Dr Naimish
22.05.14	Journal club	DNB–3rd	Dr Shailendra
29.05.14	Journal club	Hardik	Dr Vivek

**Seminar**

Time: 8 a.m.–9 a.m., Saturday      ||      Venue: Seminar Room

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
18.01.14	Seminar	Hardik	Dr Naimish
25.01.14	Seminar	Saurabh	Dr Shailendra
01.02.14	Seminar	Tejal	Dr Vivek
08.02.14	Seminar	Sandeep	Dr Rawat
15.02.14	Seminar	Vinayak	Dr S. Singhvi
22.02.14	Seminar	Shashi	Dr Vasudevan
01.03.14	Seminar	Subhash	Dr Abhideep

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>	<i>Moderator</i>
08.03.14	Seminar	Sandeep	Dr Naimish
15.03.14	Seminar	Shashi	Dr Shailendra
22.03.14	Seminar	Saurabh	Dr Vivek
29.03.14	Seminar	Manoj	Dr Rawat
05.04.14	Seminar	Hardik	Dr S Singhvi
12.04.14	Seminar	Vinayak	Dr Vasudevan
19.04.14	Seminar	DNB-1st	Dr Abhideep
26.04.14	Seminar	DNB-2nd	Dr Naimish
03.05.14	Seminar	DNB-3rd	Dr Shailendra
10.05.14	Seminar	Hardik	Dr Vivek
17.05.14	Seminar	Sandeep	Dr Rawat
24.05.14	Seminar	Vinayak	Dr S. Singhvi
31.05.14	Seminar	Shashi	Dr Vasudevan

### Audit

Time: 12 noon, Saturday  
Moderator: Dr Samiran Nundy

||

Venue: SGE Office, R.No. 2221

<i>Date</i>	<i>Presenter</i>	<i>Date</i>	<i>Presenter</i>
04.01.14	Subhash	05.04.14	Sandeep
11.01.14	Manoj	12.04.14	Vinayak
18.01.14	Subhash	19.04.14	Hardik
25.01.14	Manoj	26.04.14	Sandeep
01.02.14	Subhash	03.05.14	Vinayak
08.02.14	Manoj	10.05.14	Hardik
15.02.14	Subhash	17.05.14	Sandeep
22.02.14	Manoj	24.05.14	Vinayak
01.03.14	Subhash	31.05.14	Hardik
08.03.14	Hardik	07.06.14	Sandeep
15.03.14	Sandeep	14.06.14	Vinayak
22.03.14	Vinayak	21.06.14	Hardik
29.03.14	Hardik	28.06.14	Sandeep

### Ward Rounds

#### Unit-I

<i>Day</i>	<i>Time</i>	<i>Day</i>	<i>Time</i>
Monday	8 a.m./ 6 p.m.	Friday	8 a.m./ 6 p.m.
Tuesday	7.15 a.m./ 6 p.m.	Saturday	9 a.m./ 6 p.m.
Wednesday	9 a.m./ 6 p.m.	Sunday	9 a.m./ 6 p.m.
Thursday	9 a.m./ 6 p.m.		

**Unit-II**

<i>Day</i>	<i>Time</i>		<i>Day</i>	<i>Time</i>
Monday	9 a.m./ 6 p.m.		Friday	9 a.m./ 6 p.m.
Tuesday	9 a.m./ 6 p.m.		Saturday	9 a.m./ 6 p.m.
Wednesday	9 a.m./ 6 p.m.		Sunday	9 a.m./ 6 p.m.
Thursday	9 a.m./ 6 p.m.			

**Operations**

GI Surgery days	Unit I – Monday, Wednesday, Friday Unit II – Thursday, Saturday
Liver transplant days	Tuesday, Friday

**OPDs**

**Private OPDs**

**Unit-I**

	<i>Day</i>	<i>Time</i>	<i>Venue</i>
Dr S. Nundy	Monday–Friday	4 p.m.–6 p.m.	F-53, 1st Floor
Dr N. Mehra	Monday–Saturday	2 p.m.–4 p.m.	F-52, 1st Floor
Dr S. Lalwani	Monday–Saturday	4 p.m.–6 p.m.	F-51, 1st Floor
Dr V. Mangla	Monday–Friday	8 a.m.–10 a.m.	F-51, 1st Floor

**Unit-II**

	<i>Day</i>	<i>Time</i>	<i>Venue</i>
Dr S. Rawat	Monday–Saturday	10 a.m.–12 noon/ 4 p.m.–6 p.m.	F-66, 1st Floor
Dr S. Singhvi	Monday–Saturday	10 a.m.–12 noon/ 4 p.m.–6 p.m.	F-65, 1st Floor
Dr K.R. Vasudevan	Monday–Saturday	2 p.m.–4 p.m.	F-65, 1st Floor
Dr A. Chaudhary	Monday–Saturday	12 noon–2 p.m.	F-65, 1st Floor

**General OPD**

	<i>Day</i>	<i>Time</i>	<i>Venue</i>
<b>Unit-I</b>			
All Consultants Unit-I (by rotation)	Wednesday, Saturday	9 a.m.–10:30 a.m.	F-25
<b>Unit-II</b>			
All Consultants Unit-II (by rotation)	Monday, Tuesday, Thursday, Friday	8 a.m.–10 a.m.	F-65

The programme will be postponed if there is a HOLIDAY.

*Advisor:* Dr (COL) S.K. CHADHA

*Chairperson:* Dr (PROF) ARVIND KUMAR

A fellowship in thoracic surgery is due to start soon.

### Lectures

Time: 2 p.m.–3 p.m., alternate Tuesday      ||      Venue: Seminar Room

The department will hold the following lectures for DNB students of Surgery, Medicine, Anaesthesia and Paediatrics. These are in addition to the lectures held as per schedule of the Department of General Surgery.

<i>Date</i>	<i>Subject</i>	<i>Speaker</i>	<i>Moderator</i>
07.01.14	Surgical management of pulmonary Koch disease	Dr Ganesh K.	Dr A. Satwik
14.01.14	Intercostal tube drainage	Dr M. Venkatesh	Dr S.K. Chadha
28.01.14	Management of diaphragmatic rupture	Dr Sukhrum	Dr A. Satwik
11.02.14	Management of chest trauma	Dr Karan	Dr S.K. Chadha
25.02.14	Management of bullous disease	Dr Rahul Sidharth	Dr A. Satwik
11.03.14	Management of empyema	Dr Nanavati	Dr S.K. Chadha
25.03.14	Surgery of mediastinal mass	Dr Sukhrum	Dr A. Satwik
08.04.14	Surgical management of bronchiectatic lung lesions	Dr Rahul Sidharth	Dr S.K. Chadha
22.04.14	Congenital lobar emphysema	Dr Nanavati	Dr A. Satwik
06.05.14	Surgical management of carcinoma lung	Dr Ganesh K.	Dr S.K. Chadha
20.05.14	Management of thymoma	Dr M. Venkatesh	Dr A. Satwik

### Outpatient Clinic

Time: 11 a.m.–12 noon, Wednesday, Friday      ||      Venue: Seminar Room

Each outpatient clinic will be followed by a short case presentation by postgraduates.

### Operation Days

Time: 8 a.m.–4 p.m., Monday/ Thursday and Emergencies

All surgical cases are discussed with the Radiologist in the Department of CT and MRI, and in Radiological meetings.



*Advisor:* Dr S.N. WADHWA

*Chairperson:* Dr SUDHIR KHANNA

*Teaching Coordinator:* Dr MANU GUPTA

Urology is one of the superspecialties with a very fast growth in instrumentation, innovation and practically applicable procedures. These procedures have yielded satisfying results for conditions relating to the entire genitourinary tract. Public awareness about this has placed an ever-growing demand on the knowledge and skills of practising as well as trainee urologists. It is equally important for young trainees in surgery to keep abreast of the current concepts and newer developments, besides the basic principles of urology and time-tested conventional procedures.

The present programme aims at educating the trainee in upgrading his or her acumen and skills in the art and practice of urology with a rational approach. For the consultant, it aims at updating knowledge of the latest innovations and techniques in order to offer the best to the patient while monitoring and, where needed, rectifying patient care and teaching and training of the residents.

In spite of easy access to the literature and self-learning opportunities available today, more than ever before, there is a great need for bedside presentations and problem-based discussions, particularly for DNB trainee residents. With the DNB (Urology) having completed 14 years since inception, the lessons learnt have been utilized in the current Academic Programme. With an increasing number of complicated cases being referred which need special urological care, it is time to start a training programme for operation theatre personnel and nursing staff. Residents can be effectively utilized in this endeavour.

### **Seminar/ Case Discussion**

Time: 3 p.m.–4 p.m., Tuesday

Venue: Institute of Renal Sciences, Room 1200

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
07.01.14	Pathophysiology of SUI	Dr Munnan	Dr Vipin Tyagi
14.01.14	Management of SUI	Dr Samad	Dr Sachin Kathuria
28.01.14	Case discussion	Dr Sajid	Dr Sanjay Mittal
04.02.14	Treatment of male infertility	Dr Kamal	Dr Manu Gupta
11.02.14	New drugs in ED	Dr Ghanender	Dr Sudhir Chadha
18.02.14	Case discussion	Dr Sajid	Dr Ajay Sharma
04.03.14	Urodynamics	Dr Munnan	Dr Sudhir Khanna
11.03.14	Nocturia	Dr Samad	Dr Vipin Tyagi
18.03.14	Case discussion	Dr Munnan/ Dr Samad	Dr Sachin Kathuria
01.04.14	PPI	Dr Kamal	Dr Sanjay Mittal

<i>Date</i>	<i>Topic</i>	<i>Speaker</i>	<i>Moderator</i>
08.04.14	Varicocele	Dr Ghanender	Dr Manu Gupta
15.04.14	Renal trauma	SR-1	Dr Sudhir Chadha
22.04.14	Case discussion	Dr Munnan/ Dr Samad	Dr Ajay Sharma
06.05.14	VVF	SR-2	Dr Sudhir Khanna
13.05.14	Surgical complications of renal transplant	Dr Kamal	Dr Vipin Tyagi
20.05.14	Case discussion	Dr Munnan/ Dr Samad	Dr Sachin Kathuria

### Monthly Audit

Time: 3 p.m.–4 p.m., 1st Friday of the month

Venue: Institute of Renal Sciences

<i>Date</i>	<i>Date</i>	<i>Date</i>
03.01.14	07.03.14	02.05.14
07.02.14	04.04.14	

### Inter-departmental meeting

Time: 3 p.m.–4 p.m., 4th Tuesday of the month

Venue: Institute of Renal Sciences

<i>Date</i>	<i>Topic</i>
21.01.14	Biostatistics
25.02.14	Management of CKD
25.03.14	Conventional uro-radiology
29.04.14	Interventional uro-radiology
27.05.14	Dialysis

### Journal Club

Time: 3 p.m.–4 p.m., 1st and 4th Friday of the month

Venue: Seminar Room

<i>Date</i>	<i>Presenter</i>
03.01.14	Dr Kamal
24.01.14	Dr Ghanender
07.02.14	Dr Samad
28.02.14	Dr Munnan
07.03.14	Dr Kamal
28.03.14	Dr Ghanender
04.04.14	Dr Samad
25.04.14	Dr Munnan
02.05.14	Dr Kamal
23.05.14	Dr Ghanender



