

## TRT CASE REPORTS

### High Dose Testosterone Replacement Therapy (TRT) and Prostate Cancer (CaP)

#### 1. John H.

11/03 - 61 years old; PSA 3346; gl. 4+4/8 @ JHH; 22 lb. weight loss, severe bone pain. He was referred to the Hospice Service at his HMO. He was told to get his affairs in order because it was unlikely that he would survive more than a few months. Treated with 13 months Triple Hormone Blockade®, 15 doses Taxotere/Emcyt/Carboplatin chemotherapy, and anti-angiogenic cocktail. 1/05 - stopped hormone blockade, continue cocktail and add high dose testosterone.

	3/05	6/05	7/05	8/4/05	8/18/05	11/05	12/05	1/06	4/06
<b>T</b>	1612	1640	3703	3831	5488	3546	1644	1873	2255
<b>PSA</b>	0.128	0.163	0.372	0.453	0.454	0.360	0.420	0.360	0.330

	5/06	6/06	7/06	8/06	10/06	12/06	1/07	3/8/07	3/22/07
<b>T</b>	4036	2324	1247	2246	>1500	1159	1886	1254	2116
<b>PSA</b>	0.380	0.628	0.501	0.513	0.590	0.792	0.541	0.738	0.628

	6/07	8/07	11/07	1/08	3/08	5/08	7/08	8/08
<b>T</b>	1740	2917	2120	1432	930	>1500	2177	D/C TRT
<b>PSA</b>	1.260	0.080	1.700	1.870	2.190	2.380	3.970	

	9/15/08	10/14/08	12/22/08	3/4/09	3/4/09
<b>T</b>	485	130	57	65	55
<b>PSA</b>	1.300	0.290	0.097	0.010	<0.003

2/1/2006 - Bone scan @ St. John's Hospital, Santa Monica, CA., compared to 8/18/05, showed interval improvement - meaning less cancer. 8/06 - MRI of abd/pelvis showed probable bone mets in lumbar spine and sacrum

As of May 2009, it has been 5.5 years since he presented with a PSA of 3346 and was referred to hospice. He continues to work full-time and remains asymptomatic.

Last Update: 5/09

#### 2. Stuart B.

12/95 - 52 years old; gl 3+3/6 at JHH; PSA 7.3  
5 mos. 2 drug hormone blockade; 12 mos. Triple Hormone Blockade®, then proscar alone.  
7/03 - started high dose testosterone; later added in some anti-angiogenic cocktail

	9/03	11/03	1/04	3/04	5/04	7/04	9/04	11/04	1/05
<b>T</b>	1498	1545	1539	2062	1043	3678	1540	2674	1214
<b>PSA</b>	8.11	5.7	7.1	5.6	8.35	7.32	8.66	8.59	7

	3/05	4/05	6/05	8/05	11/05	12/05	1/06	2/06	3/06
<b>T</b>	1286	2237	1232	2068	1427	1474	2212	3181	2791
<b>PSA</b>	7.12	6.4	7.57	9.19	9.01	11.1	11.5	9.25	6.92

	4/06	5/06	6/06
<b>T</b>	2059	1599	1863
<b>PSA</b>	7.8	7.62	6.99

6/06 - died of natural causes. Dr. Bob told coroner the clinical history and coroner did special studies looking for any prostate cancer cells in the prostate. Instead of making only one slide of prostate tissue, the pathologist made 1 mm thin sections through the entire gland. This is the same way that a Radical Prostatectomy specimen is examined and evaluated. He also made multiple slides of the spinal bones where prostate cancer cells preferentially spread. In spite of all of this, NO PROSTATE CANCER CELLS were found anywhere in his body. Cause of death was heart attack.

#### 3. Russell S.

01/92 - 49 years old; PSA 26.3; gl. 4+4/8; DRE C; L given  
03/92 - R.P. @ JHH, gl. 5+4/9; ECE; pos. margins; SVI; 2/4 Lt. pelvic nodes so orchiectomy done at time of R.P.  
1 month post-op PSA 1.1, and 6 flutamide per day added  
09/92 - PSA 0.01 until 12/03 PSA 0.10  
03/04 - PSA 0.19  
07/04 - flutamide D/C, PSA 0.6  
09/04 - Consult, PSA 1.06; PSA DT < 2 mos.  
09/04 - start 9 mos. HB with KC, A/G, then EE; 15 doses T/E/C (9/04 - 2/05); AAC added as tolerated  
04/05 - PSA nadir 0.03  
06/15/05 - D/C HB; continue AAC; Start TRT

	6/15/05	6/28/05	7/12/05	7/27/05	8/9/05	8/22/05	9/1/05	9/13/05	10/05
<b>T</b>	<20	725	2069	1831	2380	1501	1747	2578	1719
<b>PSA</b>	0.03	0.12	0.21	0.18	0.14	0.13	0.11	0.10	0.07

	11/05	12/05	1/06	2/06	3/06	4/06	7/06
<b>T</b>	2680	2927	1406	2234	5731	2137	5407
<b>PSA</b>	0.05	0.05	0.04	0.05	0.04	0.04	0.06

Last Update: 11/06

**4. Joe Y.**

11/93 - 51 years old; PSA 23; gl. 3+4/7; pos. margins  
 03/94 - R.P. @ UCLA  
 12/94 - PSA 0.3  
 04/95 thru 06/95 - R.T.  
 12/97 - T 198, PSA 0.47  
 THB® x 16 months thru 03/99  
 09/00 - PSA 0.008; T 113; TRT started

	11/00	1/01	4/01	7/01	10/01	1/02	6/02	10/02	1/03
<b>T</b>	274	438	186	338	598	256	581	404	1131
<b>PSA</b>	0.021	0.07	0.08	0.09	0.18	0.28	0.313	0.53	0.684

	3/03	7/03	1/04	3/04	6/04	11/04	3/05	6/05	8/05
<b>T</b>	1055	3294	1395	1315	3015	1299	1250	2211	1395
<b>PSA</b>	1.12	0.9	1.24	1.66	1.4	1.66	1.74	1.18	1.72

	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	7/06
<b>T</b>	1120	1707	1041	1130	655	798	339	1095	554
<b>PSA</b>	1.63	1.87	1.97	1.66	1.64	1.44	1.2	1.44	0.979

2007: PSA Low = 1.16 (2/26/07); PSA High = 2.09 (8/07), with no trend. T average = 500-600

	1/4/08	1/7/08	1/22/08	2/8/08	4/23/08	5/7/08	7/11/08	9/23/08	11/12/08
<b>T</b>	372	808	578	691	385	769	768	654	609
<b>PSA</b>	1.84	1.66	2.13	1.72	2.23	1.98	2.11	2.43	2.38

	1/28/09	3/26/09
<b>T</b>	648	665
<b>PSA</b>	2.41	2.09

As of 5/09, it has been over 15 years since he presented with PSA = 23, gl 3+4/7 and had R. P. He had Rt. 1 year later and in 12/97, 16 months HB.

Over 8 ½ years ago, with PSA .009 and T = 113, he started TRT.

He adjusts his T dose and since 1/05, he has kept his T well under 600 most of the time and never above 800.

Last Update: 5/09

**5. Dr. Earl S.**

05/89 - 59 years old; PSA 134; gl.7  
 C.T. - ECE & SV; L + KC  
 08/89 - R.P. @ UCLA; pos. urethral margins; PNI; ECE  
 10/89 - PSA zero (0)  
 4/92 - PSA 2.0  
 01/96 - PSA 6.1  
 05/99 - Consult with Dr. Bob; PSA 11.99; T 228  
 Refused HB; Rx with finasteride, pamidronate, thalidomide  
 8/00 - PSA nadir 4.13  
 6/02 - TRT started; PSA 6.86; T 278

	10/02	TRT Discontinued 11/21/02	TRT Restarted 2/6/03	3/03	6/03	10/03	2/04	5/04	8/04
<b>T</b>	714	380	2426	873	>1600	1421	2345	3120	2478
<b>PSA</b>	11.3	15.0	12.4	13.2	12.5	13.5	14.1	15.2	19.0

	11/04	2/05	5/05	6/05	7/05	8/05	10/05	11/05	12/05
<b>T</b>	1432	2280	>1600	1458	2517	1069	1458	2371	1521
<b>PSA</b>	17.4	17.0	15.0	20.1	16.6	16.6	14.9	17.4	17.6

	2/06	3/06	4/06	6/06	7/06	10/06	1/07	2/07	3/07
<b>T</b>	1545	1692	2986	1884	3521	2003	1280	1676	2389
<b>PSA</b>	19.6	16.0	17.4	16.0	17.0	19.0	24.3	16.1	17.1

4/05 - Leukine added  
 In 05/99, PSA 11.99; T 228  
 More than 7 years later, PSA 16; T 1692, with marked improvement in quality of life  
 PSA rise less than 50% in 7 years; From 5/99 thru 3/06, PSA increased by 1/3  
 PSA DT > 15 years in spite of being on TRT since 6/02

Last Update: 3/07

**6. Pat H.**

12/93 - 65 years old; R.P.; PSA 25; gl. 4+3/7 @ JHH, pos. margins; ECE  
 1 mo. Post-op - PSA zero (0), but 6 months later - PSA 1.5  
 By 08/94 - PSA 18, meaning his PSA DT was less than 1 month  
 12/94 - Lupron + Flutamide for 1 year, then Lupron + 1 Casodex thru 9/97, thus cycle #1 HB consists of CAB x 33 months  
 PSA always < 0.07 on CAB  
 7/03 - T 246; PSA 0.011; TRT started

	8/03	10/03	1/04	5/04	7/04	10/04	2/05	4/05	8/05
<b>T</b>	2057	1423	1113	1906	2783	2349	1486	2731	1157
<b>PSA</b>	<0.01	<0.01	0.024	0.027	0.026	0.03	0.02	<0.01	0.05

	10/05	12/05	1/06	2/06	4/06	5/06	6/06
<b>T</b>	2464	1687	1616	1616	1970	2760	3716
<b>PSA</b>	0.05	0.03	0.04	0.04	0.06	0.06	0.074

Last Update: 11/06

**7. John S.**

01/03 - 55 years old A.A.; PSA 7.7; gl. 3+4/7; 6/6 cores; Endorectal MRI - ECE  
 03/03 - R.P. @ Memorial-Sloan Kettering, 2 pos. nodes, gl. 4+4/8; SV. pos. margins; ECE; 2500cc EBL  
 07/03 - PSA unmeasurable  
 12/03 - PSA 0.23  
 01/04 - PSA 0.35  
 04/04 - PSA 0.7  
 06/14/04 - PSA 1.02  
 08/4/04 - PSA 1.98; PSA DT 2 mos.; T 334; PAP 0.15  
 Rx 13 mos THB<sup>®</sup> (KC/HC), plus 15 doses T/E/C; AAC added as tolerated  
 8/05 - HB D/C; continue AAC and add high dose TRT

	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06
T	4064	3961	4421	2620	2433	2406	2901	2921	2815
PSA	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

	6/06	2/07	1/10/08	4/08	5/14/08	6/16/08	8/14/08	10/14/08	12/16/08
T	1708	2691	5100	1227	5086	1932	3164	2093	3820
PSA	<.01	<0.01	0.010	0.022	0.060	0.060	0.070	0.048	0.120

	3/12/09	5/7/09
T	1311	4053
PSA	0.160	0.120

Last Update: 5/09

**8. Fred W.**

11/99 - 67 y/o; PSA 7.19; gl. 4+3/7; T2a; T 308  
 6 out of 8 cores - path reviewed at JHH; clinical stage B1  
 11/99 to 12/00 - 13 months THB<sup>®</sup> with 3C  
 06/02 - TRT started; T 459; PSA 0.495 (but had risen from 0.22 to 0.495 in 9 mos.)

	9/01	3/02	Start TRT 6/02	7/02	9/02	11/02	2/03	4/03	8/03
T	417	435	459	1153	1003	634	814	3037	3550
PSA	0.22	0.42	0.495	1.53	0.612	1.32	1.09	1.08	2.33

	11/03	2/04	5/04	8/04	11/04	2/05	5/05	9/05	11/05
T	1445	1348	1514	1786	1583	1150	>1600	2592	3356
PSA	2.52	2.57	2.44	2.96	3.73	3.22	2.68	2.79	2.69

	12/28/05	1/06	2/06	3/06	4/06	5/06	6/06	8/06
T	1828	1552	1744	4666	1957	3031	4117	2822
PSA	2.52	2.84	3.81	3.65	3.63	2.91	3.32	3.19

As of January, 2006, in spite of being treated with TRT for more than 3 ½ years, his PSA did not quite double rising from 1.53 to 2.84  
 He is now on Finasteride Maintenance<sup>®</sup> therapy plus 1 dutasteride

Last Update: 11/06

**9. Jerry H.**

11/96 - 72 years old; PSA 8.7; gl. 4+4/8  
 01/97 - pos. bone scan; PSA 11; R.T. @ Cedar's Sinai Hosp. (7,000 cGy)  
 08/97 - new mets on bone scan; PSA 17.5  
 09/97 - 13 months THB<sup>®</sup> - PSA zero (0)  
 12/01 - T <100; PSA <.05; TRT started

	12/02	4/03	9/03	1/04	6/04	10/04	12/04	3/05	5/05
T	1140	1551	1580	1328	1108	71	3828	911	880
PSA	0.083	0.104	0.217	0.264	0.535	0.039	0.319	0.341	0.524

	6/05	8/05	9/05
T	1904	>1600	>1600
PSA	0.484	0.690	0.621

Expired 4/06 of acute myelogenous leukemia; Never had a recurrence of CaP

**10. Don B.**

06/99 - 56 years old; T2a; gl. 3+4/7; PSA 6.82; T 462; cores positive > 50%  
 10/99 - 13 mos THB<sup>®</sup> with 3C  
 04/00-11/00 , because of T 68-100, changed to 3 KC plus HC 30 mg  
 11/00 - D/C THB  
 Then Finasteride Maintenance<sup>®</sup> therapy  
 9/02 - Start TRT

	10/01	1/02	2/02	8/02	Start TRT 9/02	12/02	3/03	5/03	7/03
T	354	387	328	315	382	1041	1216	803	1178
PSA	1.49	2.04	2.84	2.32	2.6	2.76	3.26	3.41	4.4

	9/03	12/03	3/04	7/04	10/04	1/05	3/05	7/05	9/05
T	1655	1419	1374	1187	2935	2241	1412	2353	1699
PSA	3.25	4.5	3.7	3.95	3.85	4.51	5.82	3.11	3.05

	12/05	1/06	3/06	4/06	5/06	6/06	7/06
T	1974	1833	1788	1692	1491	1668	1739
PSA	3.62	3.08	3.31	3.64	3.95	3.43	3.87

Last Update: 9/06

### 11. Dr. Terry N. - Veterinarian

2/99 - 66 years old; PSA 5.9  
 gl 3 + 4/7; PNI locally advanced; 4/5 cores; T-350  
 5/99 - F 250mg BID, P x 2 weeks then added L.  
 6/28/99 - COMG, PSA 0.69, T < 20  
 F changed to 3 Casodex per day; THB® thru 6/00  
 1/03 - PSA 0.6, T 332, START TRT

	2/03	4/03	7/03	10/03	11/03	1/04	3/04	6/04	8/04
T	604	553	1749	1556	1085	1152	1474	1544	1440
PSA	1.5	1.5	1.86	4.16	1.73	2.02	2.13	2.62	3.34

	9/04	11/04	1/05	5/05	8/05	10/05	11/05	2/06	3/06
T	1189	1553	1830	>1600	1064	1482	2665	3425	1510
PSA	2.01	3.41	1.78	2.44	3.14	4.53	3.49	4.48	6.02

	4/10/2006	4/19/06	5/10/06	5/31/06	6/06	7/06	3/07
T	2837	2665	3367	3401	3811	2153	5307
PSA	8.1	6.16	4.92	6.2	5.88	4.29	2.93

As of 3/07, on High Dose Testosterone for over 4 years

Last Update: 3/07

### 12. John C.

1/03 - 78 years old, PSA 12  
 gl. 4+4/8 (JHH) 9 of 9 cores involved; normal DRE  
 Treated with 13 mos. Triple Hormone Blockade®, including 3 Casodex per day through 3/04, then Proscar 5 mg once a day, so called Finasteride Maintenance® Therapy.  
 3/04 - Started T; later added in some anti-angiogenic cocktail

	4/04	5/04	6/04	7/04	8/04	10/04	11/04	2/05	4/05
T	600	878	2247	1163	1455	2487	2400	2022	2914
PSA	0.018	0.200	0.313	0.644	0.835	1.400	1.320	1.990	3.170

	8/05	9/05	11/05	12/05	1/5/06	1/27/06	3/06	4/06	6/06
T	1536	1218	1451	4224	2516	4856	4538	4825	2236
PSA	2.800	3.100	3.500	4.810	4.670	4.240	3.780	3.100	3.290

	7/06	8/06	10/06
T	1993	1393	3173
PSA	3.630	3.860	2.960

Last Update: 11/06

### 13. Gene B.

01/02 - 62 years old; PSA 20.8; PAP 1.8; gl. 3+4/7; 3 out of 6 cores  
 02/02 - Zoladex + 1 Casodex per day for 2 mos, then Zoladex for 10 more months  
 03/02 - R.T. (7400 cGy)  
 5/02 - PSA < 0.1  
 05/03 - Finasteride Maintenance® started  
 06/28/04 - Consult with Dr. Bob - PSA .003, T 20, although off hormone blockade since 1/03  
 Up to 35 hot flashes per day  
 06/29/04 - TRT started, later some antiangiogenic added

	7/04	8/04	10/6/04	11/04	12/04	1/05	3/3/05	3/15/05	4/05
T	1015	975	2181	2452	2146	2114	1433	2040	1714
PSA	0.030	0.050	0.168	0.250	0.232	0.240	0.370	0.430	0.330

	6/05	7/05	8/05	9/05	11/05	12/05	1/06	3/06	4/06
T	3469	3265	3101	2705	5247	3485	3100	3231	2894
PSA	0.320	0.260	0.298	0.220	0.290	0.320	0.220	0.290	0.290

	7/06	8/06	10/06
T	1811	2155	2346
PSA	0.346	0.260	0.216

Last Update: 11/06

### 14. Walt S.

09/00 - 79 years old; PSA 8.6; gl. 5+3/8; 6/6 cores  
 10/00 - Lupron + 1 Casodex per day thru 12/01  
 07/02 - TRT started; PSA 0.251; T 419  
 10/02 - PSA 1.4; T 1037

	1/03	4/03	9/03	3/04	6/04	10/04	2/05	6/05	8/05
T	1069	>1600	950	1323	1996	1704	937	2185	1280
PSA	2.100	2.190	3.260	5.880	3.640	3.000	3.780	3.500	4.240

	10/05	12/05	1/06	2/06	3/06	5/06
T	3472	1995	1312	1700	2631	1869
PSA	3.870	3.890	3.090	4.380	4.400	5.740

Last Update: 11/06

**15. Bob L.**

12/99 - 46 years old; PSA 8.6; gl. 3+3/6 in 3 out of 6 cores  
 Clinical Stage T2a by DRE  
 09/00 - PSA 6.93; started 13 months Triple Hormone Blockade® including 3 Casodex per day, then Proscar 5mg per day (Finasteride Maintenance® therapy).  
 PSA < 0.05 after about 4 mos. hormone blockade  
 11/02 - Started T

	5/03	8/03	2/04	8/04	11/04	12/04	3/05	6/05
T	1428	3200	1109	1521	1547	2482	1071	2249
PSA	2.860	1.170	1.610	1.780	2.240	1.990	2.280	2.920

	8/05	9/05	10/05	11/05	12/05	2/06	3/06	5/06
T	>1600	1297	1545	1164	3389	4241	2981	2082
PSA	2.220	2.960	2.930	3.700	2.710	3.340	2.890	2.900

	6/06	8/06	10/06	1/07	3/07	7/07	9/07	10/07
T	1243	>1644	1681	1592	2595	1268	2188	1547
PSA	3.160	2.630	3.080	3.75	4.14	4.73	4.03	5.03

	4/08	9/08	11/13/08	1/20/09
T	>1600	1352	1567	1342
PSA	2.90	2.76	3.64	3.42

As of May '09, it has been 9 ½ years since he presented with high risk disease.

He was treated with a single cycle of 13 mos. Triple Hormone Blockade®/Leibowitz protocol followed by Proscar 5 mg each day, so called Finasteride Maintenance® Therapy.

He has now been on high dose TRT continuously for 6 ½ years without AAC.

Last Update: 5/09

**16. Malcolm M.**

9/98 - 58 years old; AA; TIC 1 out of 6 cores; gl 3+3/6 (JHH)  
 1/99 COMG - PSA 5.11, T - 237  
 13 months Triple Hormone Blockade®, including 3 Casodex per day through 2/1/00  
 8/02 - PSA 1.37, T 341, Start TRT #1

	11/02	2/03	6/03	10/03	12/03	3/04	5/04	7/04	10/04
T	542	762	564	546	661	1070	1295	1983	1591
PSA	1.820	1.810	2.150	2.990	2.170	2.880	2.070	3.640	3.700

	1/05	3/05	4/05	5/05	6/05	8/05	D/C TRT	9/19/05	9/28/05
T	1307	1312	1322	1363	1544	1069	D/C TRT	123	256
PSA	3.050	4.250	4.660	4.600	6.670	7.550	D/C TRT	3.100	3.390

	11/05	12/8/05	12/22/05	12/25/05	1/06	2/06	3/6/06	3/27/2006	4/06
T	271	254	447	Start TRT #2	970	1855	997	1834	2057
PSA	1.710	1.880	2.370	Start TRT #2	3.120	3.750	6.910	5.570	6.600

	5/1/06	5/11/06	5/19/06	5/30/06	6/15/06	6/29/06	7/06	8/06
T	1956	1325	3209	1118	855	537	949	1218
PSA	9.430	7.200	10.200	9.660	4.700	1.970	2.490	2.820

11 years after CaP diagnosis: no local treatment; 1 cycle of HB and 3 years on high dose TRT

Last Update: 11/06

**17. Bob S.**

11/92 - 72 years old; PSA 6.1; gl. 4+3/7; 6 out of 6 cores; 20-80%  
 Lt. iliac and obturator nodes; rib mets and L-3  
 11/30/92 - Lupron + 6 Flutamide per day  
 1996 - bone scan - normal  
 1/97 - C-T scans - no nodes  
 3/97 - COMG; had been on CAB for 4 years and 4 months; PSA <0.05, T-16  
 Discontinued hormone blockade and start Finasteride Maintenance® therapy  
 9/98 - PSA 0.04, T 46; TRT until 2/99  
 9/02 - Restart TRT

	12/02	3/03	6/03	10/03	5/04	8/04	10/04	2/05	6/1/05
T	955	1476	>1600	1310	2001	2390	1796	>1600	>1600
PSA	0.235	0.422	0.585	0.535	0.672	0.852	1.130	2.350	1.940

	8/05	9/21/05	9/05	9/28/05	10/05	11/05	12/05	3/06	7/06
T	4128	3675	stop T	260	127	118	64	42	<20
PSA	4.390	5.180	stop T	3.170	1.840	0.243	0.091	0.015	<.003

	8/06	3/07
T	<20	20
PSA	<.003	<0.003

Scans in 2005 - no mets.

Was on T for 3.5 years and when he stopped T, his PSA fell to unmeasurable.

Last Update: 3/07

**18. Dave W.**

2/98: 54 years old; PSA = 681; locally advanced g. 4+4/8 6/6 at JHH; Multiple bone metastasis

Enlarged nodes at chest, diaphragmatic, paracaval iliac; Start cycle #1 HB - L + 3c

3/98: IP added

4/16/98: COMG: Taxotere/Emcyt/D x 16 doses -> PSA = 0.2

3/99: Add thalidomide

5/99: Discontinue HB

12/99: PSA = 23; T = 263

01/00: PSA = 46

2/10/00: Start cycle #2 HB and start cycle #2 chemotherapy; PSA = 94

Taxotere/Emcyt/Carboplatin x21 doses

03/00: PSA = 1.59; HB x 12 months

02/01: Discontinue HB

09/01: Start cycle #3 HB and chemotherapy; PSA = 70

Taxotere/Emcyt/Gemzar + Herceptin + Leukine; Adrenolytic

10/01: PSA = 1.6

12/01: PSA < 0.01

02/02: More AAC meds

05/02: Discontinue HB; TRT #1 x 4 months

09/02: Start cycle #4 HB; AAC; No chemotherapy; PSA = 56

01/03: PSA = 0.138, TRT #2

06/03: PSA = 130; PAP = 15; T = 602

Start cycle #5 HB x 9 months; cycle #4 chemotherapy HDVD with Taxotere/Emcyt/Carboplatin x 15 doses

02/04: PSA = 0

04/04: Start cycle #3 TRT; TRT through 9/04

09/04: PSA = 83.7; PAP = 10; start cycle #6 HB; no chemotherapy

7/05: PSA = 0.05; start cycle #4 TRT x 3 months

10/05: Start cycle #7 HB + Avastin; no chemotherapy; PSA = 27

4 weeks later: PSA = 1.8

01/06: PSA = 0.056

05/06: PSA = 0.023; D/C 7th cycle HB; Start TRT #5

	8/17/06	9/1/06	9/11/06	9/19/06
T	2139		1920	1442
PSA	1.3	8.24	20.7	17.3

9/19/06: Start Ethinyl Estradiol 1mg/day

	9/28/06	10/16/06	11/13/06	11/27/06
T	657	1009	1424	2297
PSA	12.9	16.8	15.22	21.15

Told to D/C TRT; this cycle lasted 5.5 months which was longer than prior cycles.

	1/3/07		1/16/07	Start Cycle #8 HB	1/29/07	4/02/07
T	1461	Now Stopped	<20		8.9	1.06
PSA	101.7		36.2		5.2	2.3
PAP	24.2		8.04			

3/16/07: T/E/C started; Cycle #5 CT

	5/11/07	7/07/07	7/9/07	9/04/07	9/20/07	10/1/07
T	<20		Add Avastin			
PSA	0.37	0.26		0.27	0.2	0.16
PAP	2.26					

	10/3/07	11/5/07	
T			D/C HB #8
PSA	0.108	0.09	Start TRT #6
PAP			

	11/14/07	11/21/07	11/30/07	12/07/07	12/11/07
T	2.4	4.12	13.09	30.64	1401
PSA	3386	2526	1661		41.5
PAP					12.8

12/11/07: D/C TRT #6

Start HB #9

	12/24/07	11/21/07	11/30/07
T	42	33	<20
PSA	12.3	4.6	1.4
PAP	6.7	5.3	4.1

	1/30/08	2/25/08	4/30/08	7/10/08	11/5/08
T	<20				
PSA	0.6	0.3	0.2	0.11	0.1
PAP	3.2				1.2

11/13/08: D/C HB #9

Due to start cycle #7 TRT

Last Update: 11/08

**19. Chas. W**

3/99: 49 years old; 17/18 cores gl. 4+3/7 at JHH 80-100%  
R.P. by Dr. Paul Lange  
6/9 nodes pos. gl 4+4/8 but not 4+5/9  
Bilat. SV; ECE; + margins  
L monotherapy x 7 -> 10/99; start 3/99

	5/99	10/99	12/99	5/00	4/01
<b>T</b>					520
<b>PSA</b>	0.5	zero	0.1	1.2	2.5

PC Spes ~6/01

10/01: PSA 3.63 started THB at *Mount Saint Elsewhere*

10/02: HB #2 Stopped

	2/03	4/03	10/03
<b>PSA</b>	0.016	0.51	3.22

11/03: Started Prostatol x 7 mos. then...

6/04: Seen at COMG; 9 mos. alt. HB 15 doses T/E/C

3/05: D/C HB and AAC; Start cycle #1 TRT

	6/05	8/05
<b>T</b>	2100	1400
<b>PSA</b>	0.541	1.24

Reported everything is better!!

12/05: cysto Dr. Lange bladder neck mass; PSA = 3.13

01/06: pt wanted to stay on TRT. Rx low dose weekly Taxotere plus Avastin. PSA dropped to 1.94

5/06: 6840 cGy

12/21/07: PSA = <0.01; T=<20; D/C HB; Start cycle #2 TRT

	7/2/08	7/30/08	10/3/08	11/17/08
<b>T</b>	912	3227	2533	1628
<b>PSA</b>	0.02	<0.1	0.02	0.037

9/4/08: compared to 4/08, Power Doppler TRUS stable 19x8x21mm soft tissue lesion at Rt. SV bed

No longer any neovascularity

Conclusion: this should be construed as a favorable finding which may indicate an antiangiogenic effect from his AAC.

Last Update: 11/08

**20. Dr. R.F.**

6/04 - 59 years old; PSA 7.6; DRE found locally advanced disease

gl. 4 + 4/8; 9 out of 10 cores involved

8/04 - lymph node dissection at UCLA - 5 nodes contained prostate cancer and unable to remove hard mass of metastatic cancer so no R.P.

8/23/04 - Treated with 12 doses weekly Taxotere and daily Emcyt.

12/04 - consult with Dr. Bob and was started on 13 mos. Triple Hormone Blockade®; 9 doses Taxotere/Emcyt/Carboplatin chemotherapy and antiangiogenic cocktail; Received local R. T.

4/05 to 6/05 - 6120 Gy.

1/06 - Started T and continued AAC

	1/06	3/8/06	3/24/06	4/06	5/06	6/15/06	6/30/06	7/06	8/06	10/06
<b>T</b>	1472	2183	4630	1184	2248	2789	2199	2349	2336	3879
<b>PSA</b>	<0.1	0.210	0.198	0.110	0.110	0.147	0.154	0.145	0.144	0.167

6/06 - no mets on scans

Last Update: 11/06

**21. Ron L.**

7/95 - 49 years old; PSA 5.2; T1C; 1 of 4 cores; gl. 3 + 3/6

Normal DRE

Flutamide alone for 4 weeks, then over the next 11 mos., received 9 4-week doses of Lupron; 1 of the doses was given almost 3 weeks late

1/97 - Saw Dr. Bob - was off Lupron for 5 mos. and T was 382 confirming no Lupron present; PSA 3.4

Was treated with Triple Hormone Blockade®, including 3 Casodex per day through 2/98; then Proscar alone.

3/03 - Started T.

	12/02	5/03	9/03	1/04	4/04	8/04	12/04	4/05	7/05
<b>T</b>	351	1164	1105	1195	1800	2388	1454	1908	2365
<b>PSA</b>	2.770	2.170	2.510	3.350	3.030	3.500	3.400	3.210	3.910

	11/05	3/06	6/06	9/06
<b>T</b>	1570	1842	1616	2586
<b>PSA</b>	4.140	5.590	5.070	4.680

Feels great; feels like he is 30 years old!!

Last Update: 11/06

**22. John L.**

9/97 - 57 years old; PSA 48; locally advanced; gl. 4 + 3/7; 5 out of 6 cores (JHH); Bone scan multiple bone mets.  
 4/98 - left posterior pelvic pain, buttock and groin pain  
 1st cycle hormone blockade: Lupron plus Flutamide for 3 mos.; then Lupron plus 1 Casodex for 11 mos.  
 6/99 - Consult with Dr. Bob - stop HB; start 1 Proscar per day; PSA 0.07  
 10/99 - PSA 4.29; T 236  
 1/00 - PSA 12; T 398  
 11/00 PSA 11; T 400  
 6/01 - PSA 21  
 8/01 - PSA 39; T 263; start cycle #2 hormone blockade for 9 mos. through 5/02, and start cycle #1 Taxotere/Emcyt/Carboplatin chemotherapy (8/01 to 1/02)  
 5/02 - start TRT cycle #1  
 12/02 - PSA 19; stop T after 7 mos.  
 2/03 - PSA 20; T 363; Start cycle #3 hormone blockade, for only 4 mos. through 6/03  
 6/03 - PSA 0.1; Start cycle #2 T, lasting until 12/03  
 12/03 - PSA 33; Start hormone blockade cycle #4, lasting until 10/04  
 10/04 - PSA 0.4; Start TRT cycle #3  
 1/05 - PSA 27; Stop T; start #5 cycle hormone blockade  
 2/05 - Start cycle #2 chemotherapy (12 doses), through 8/05  
 6/05 - PSA 0.03  
 3/06 - Stop HB; Start cycle #4 T

	3/1/06	6/06	7/06	8/22/06	8/29/06	9/7/06	9/19/06	9/25/06	10/06
<b>T</b>		1250	846	1415	4569	849	1002	1348	1046
<b>PSA</b>	0.008	18.60	31.00	39.50	26.00	8.53	6.34	4.26	4.70

	11/29/06	1/30/07	3/29/07	6/27/07	8/8/07	10/9/07	11/28/07	1/3/08	1/15/08
<b>T</b>	1365	1126	2562	1579	1431	1132	1033	1417	851
<b>PSA</b>	4.22	4.65	4.06	6.50	7.53	8.65	6.42	10.95	12.70

	1/30/08	2/11/08	2/7/08: Start HB #6	3/19/08	3/26/08	4/17/08	5/21/08	7/30/08	10/21/08
<b>T</b>	1542	1100	130	66		46		<20	0.07
<b>PSA</b>	21.50	13.80	4.76	1.52	1.10	0.51	0.295	0.177	<20

Last Update: 11/08

**23. Dr. Bob P.**

11/98 - 53 years old; PSA 22.5; DRE locally advanced; gl. 4+5/9, 3 out of 6 cores involved  
 12/98 - started Lupron and 1 Casodex for 8 months  
 R.T. 7000 cGy 3/99 to 5/99  
 7/01 - PSA 0.3; 7/04 PSA 0.7; 2/05 PSA 1.2  
 4/19/05 - PSA 1.7, consult with Dr. Bob, PSA doubling time 7 mos.  
 Cycle #2 Hormone Blockade; 9 mos. of 3-drug HB but avoided anti-androgens  
 along with 15 doses Taxotere/Emcyt/Carboplatin chemotherapy and Dr. Bob's prostate cancer anti-angiogenic cocktail (AAC)  
 2/1/06 - Stopped HB, continue AAC and add high dose T

	3/06	4/06	5/06	6/06	7/06	8/06	9/06
<b>T</b>	< 2160	3650	2707	1437	1079	2155	< 2160
<b>PSA</b>	0.110	0.230	0.290	0.300	0.380	0.400	0.500

Last Update: 11/06

**24. Richard W.**

2/95 - 52 years old; pain in low back, legs, buttocks, and pelvis; PSA 2378; PAP 51.8; gl 4+4/8 all cores; marked locally advanced disease  
 Bone scan - multiple bone mets; C-T chest showed too numerous to count mets in both lungs up to 1.5 cm in diameter  
 Start cycle #1 Triple Hormone Blockade®, lasted for 13 mos.  
 3/96 - PSA 0  
 8/97 - PSA 24; start cycle #2 hormone blockade, lasted for 11 mos.; start cycle #1 chemotherapy with 16 doses Taxotere/Emcyt  
 10/00 - PSA 42; start cycle #3 hormone blockade, lasted for 11 mos.; start cycle #2 chemotherapy with 18 doses Taxotere/Emcyt/Carboplatin  
 1/02 - anti-angiogenic cocktail  
 6/02 - start cycle #1 T, lasted for 10 mos. through 4/03 (PSA 15, T 500)  
 7/03 - PSA 65; start cycle #4 hormone blockade, lasted for 13 mos; start cycle #3 10 doses chemotherapy (PSA 0.06)  
 8/04 - start cycle #2 T, lasted 5 mos. until 1/05 (PSA 49)  
 1/05 - start cycle #5 hormone blockade, lasted until 2/06 (PSA .05)  
 3/1/06 - start TRT

	3/06	4/06/06	4/18/06	5/06	6/12/06	6/22/06	7/06	8/06	9/06
<b>T</b>	1324	1690	1222	2288	1356	4100	2319	3293	8000
<b>PSA</b>	1.360	4.580	5.950	3.980	4.900	3.160	2.300	2.310	1.160

	10/5/06	10/20/06
<b>T</b>	5882	2313
<b>PSA</b>	4.500	3.940

Expired 11/06 of metastatic kidney cancer



**25. Mark W.**

1/99 - 52 years old

3/99 - PSA 11.61, T 164

4/99 - PSA 17.54, T 251, gl 4+5/9 (JHH), 50-90%; 3/6 cores; PAP 1.2

Prostascint - multiple enlarged periaortic and pericaval nodes (D1)

T<sub>1</sub>C. 4/2/99 THB<sup>®</sup> with 3 c/day all at 1 time, then Proscar 5mg 1x/day, so called Finasteride Maintenance<sup>®</sup> therapy.

3/00 - PSA < 0.05 (OTC's)

5/00 - D/C THB<sup>®</sup>

1/02 - PSA 1.08, T 152; Start TRT

12/03 - Started on AAC

	8/02	10/02	12/02	2/03	6/03	8/03	9/03	11/03	2/04
<b>T</b>	437	941	1600	1600	641	764	2627	1943	1306
<b>PSA</b>	2.45	3.8	5.86	6.64	8.88	9.76	11.8	10.9	13.5

	5/04	7/04	10/04	12/04	1/05	2/05	3/05	4/05	D/C TRT
<b>T</b>	1450	4163	1580	1474	632	312	1095	1270	<b>D/C TRT</b>
<b>PSA</b>	17.6	21.7	20.1	17.1	18.6	16.5	18	22	<b>D/C TRT</b>

Was on high dose TRT for 3 years and 4 months with marked improvement in quality of life.

	5/05	8/05	10/05	12/05	3/06	4/06	5/06	7/06	8/06
<b>T</b>	90	158	162	173	230	133	170	174	142
<b>PSA</b>	11.9	4.14	4.1	4.91	3.56	5.24	3.37	3.84	5.48

	3/07
<b>T</b>	258
<b>PSA</b>	4.84

As of 7/07, it has been almost 8.5 years since his presentation.

Treatment with 1 cycle 13 months THB; AAC since 1/06. No local treatment. No HRPC.

Last Update: 7/07

<b>Legend to Abbreviations:</b>		
A/G = Aminoglutethimide	ECE = Extracapsular Extension	PSA = Prostate Specific Antigen
A.A. = African American	F = Flutamide	PSADT = Prostate Specific Antigen Doubling Time
AAC = Antiangiogenic Cocktail	gl. = Gleason Score	R.P. = Radical Prostatectomy
BID = Twice a day	JHH = John's Hopkins Hospital	R.t. = Right
C = Casodex	KC = Ketoconazole	R.T.= Radiotherapy
C.T. = Cat Scan	L = Lupron	Rx = Treat
CAB = Continuous Androgen Blockade	Lt. = Left	SV = Seminal Vesicle
CaP = Cancer of the Prostate	mets = Metastasis	T = Testosterone
COMG = Compassionate Oncology Medical Group	mg/day = Milligrams Per Day	TAB <sup>®</sup> = Triple Androgen Blockade
D/C = Discontinued	nl = Normal	T/E/C = Taxotere/Emcyt/Carboplatin
DRE = Digital Rectal Exam	P = Proscar	THB <sup>®</sup> = Triple Hormone Blockade
DT = Doubling time	PAP = Prostatic Acid Phosphatase	TRT = Testosterone Replacement Therapy
EBL = Estimated Blood Loss	PNI = Perineural Invasion	y/o = year old
	pos. = Positive	Z = Zoladex

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