Hypersexuality or paraphilic behavior are extremely difficult to manage. Before initiating pharmacotherapy to control unwanted sexual behaviors, the current drug regimen should be evaluated for drugs that may cause/exacerbate the behavior (eg. amphetamines/anticholinergic/antiparkinson meds). Cognitive behavioral modification, psychotherapy & environmental changes should be implemented first for treatment. Some modification strategies include: correct any misidentification by the patient of other residents as their spouse or lover, increase attention & appropriate activities, make certain behaviors such as disrobing more difficult, move patient to different room if location is problematic. Attempts to distract & redirect their behavior with conversation, food or other activities can be successful. Case reports suggest that antiandrogens, estrogens, LHRH agonists & serotonergic medications may be <u>useful when other methods have failed.</u> Baseline labwork may include: free androgen index & total testosterone, FSH, LH, estradiol, prolactin & progesterone. Of note - following surgical castration & hyperprolactinemia, sexual behavior declines. The aim of pharmacological treatment is to suppress sexual fantasies, to suppress sexual urges & behavior, & to reduce the risk of recidivism & further victimization.

We wish to thank those who have assisted with this Q&A: Dr. L Thorpe, Dr. R Menzies & RxFiles advisors.)

Drug/Forms/Reason for use	Side effects(SE) / Comments	Young patients ^{3,4,7} Dose Cost/month	Older patients ^{1,2,5,6} Dose Cost/month
SSRI's- considered possible first line	SE: Especially early in therapy: insomnia, fatigue, headache, tremor, nausea,	20mg po od \$29 Celexa	10mg po od \$18
citalopram (Celexa) 20,40mg scored tabs	vomiting, diarrhea, falls, decreased concentration, confusion, SIADH & rarely extrapyramidal reactions.	40mg po od \$29 Max:60mg/day	20mg po od \$29 Max:30mg/d
paroxetine (Paxil) 10°,20°, 30mg tab	Titrate dose up as tolerated & wait 4-6 weeks for effect.	20mg po od \$32 Paxil	10mg po od \$44 (\$20 if 1/2x20mg tab
sertraline [#] (Zoloft) 25,50,100mg cap	Fluoxetine (Prozac) frequently studied in younger patients but due to	40mg po od \$57 Max:60mg/day	20mg po od \$32 Max:30mg/d
-better impulse control, or for possible anti-	weight loss & long half life often not recommended in elderly. Also	50mg po od \$32 Zoloft	50mg po od \$32
compulsion effect & to ↓ sexual desire	tried has been clomipramine ~150mg/day & fluvoxamine (Luvox).	100mg po od \$34 Max:200mg/day	100mg po od \$34 Max:100mg/d
buspirone (Buspar) 5,10 ^c mg tab \mathscr{C}	SE: Nausea, headache, dizziness, restlessness. Non-sedating & non-addicting.		5mg po tid \$50 Max:60-90mg/d
-for ? anticompulsion & ↓ deviant fantasies	Drug interactions:fluvoxamine, grapefruit juice. NO dependency & no cross to	lerance with benzodiazepines.	10mg po tid \$53
Add to SSRI's if limited response:	SE: hepatic dysfunction, fatigue, weight gain, transient depression ~5-10%,	PO Initial 50mg po od \$57	PO Initial 50mg po od \$57
cyproterone (Androcur) ▼	↓ in body hair, gynecomastia ~15% & feminization, as well as cardiovascular	100mg po bid \$209	100mg po od \$108
50^{ς} mg tab (300mg/3ml amp \otimes)	toxicity including <u>fluid retention</u> , <u>thromboembolism</u> , myocardial ischemia. Alterations in glucose and cerebrovascular accidents have occurred.	Range 50-500mg/day	
-antiandrogen;possible ↓ sexual fantasies, \		IM Usual 200mg q2wk \$180	IM Usual 200mg q2wk \$180
behavior, masturbation, intercourse & impact on	Dose to maintain testosterone concentration in a range that	300-400mg qwk \$343	300-400mg qwk \$343
erections	prevents feminization. Onset ~<1 month LH,BP,weight,LFT,BG q3-6months or as needed.Consider getting consent before	T 100 500	300 100mg qwk
		starting therapy	
Add to SSRI's if limited response:	Caution: with depression, diabetes, or conditions which may be worsened by fluid retention SE : weight gain , lethargy, headache, decreased sperm	PO Initial 50mg po od \$64	PO Initial <u>5</u> mg po od \$14
medroxyprogesterone (Provera;	production, hot & cold flashes, hepatic dysfunction, nightmares, dyspnea,	100mg po tid \$337	100mg po od \$120
Depo-Provera)	loss of body hair, <u>hyperglycemia</u> , leg cramps, GI disturbances, <u>fluid retention</u> ,	Range 50-600mg/day	TM 111.100
$2.5^{\varsigma}, 5^{\varsigma}, 10^{\varsigma} (100 \text{mg tab}^{X V}); 150 \text{mg/1ml} \& 250 \text{mg/5ml vial}$ -antiandrogenic; ? \downarrow libido, sexual arousal,	menstrual disorders, thromboembolism, feminization, depression and	IM Usual 300mg qwk \$252	IM Usual 100mg q2wk \$69
fantasies, urges & behavior	dermatologic effects. In clinical trials the concern of an ↑ risk for breast, uterine, or ovarian cancer has not been shown. Onset ~<1 month	then ?\$\displays 100mg/wk maint. after wks	150mg q2wk \$69
rantasies, urges & benavior	uterine, or ovarian cancer has not been snown. Onset ~<1 month	Range: 75-700mg/wk	200mg q2wk \$131
MISC:	Common SE: headache, arthralgia & nausea. Serious adverse effects of	300-800mg po bid \$13-23	300-600mg po bid \$13-17
cimetidine (Tagamet)	cimetidine are blood dyscrasias, hypotension, arrhythmias, CNS effects (delirium, confusion, depression), gynecomastia, renal dysfunction and	Neurology 2000 \rightarrow 14 of 20 demented ~73 y	
200 ^x ▼,300,400,600,800 ^x ▼mg tab; 300mg/5ml liquid	hepatotoxicity. ?antiandrogen effects possible for efficacy.	responded to adding ketoconazole 100-200mg both to cimetidine. Response time in ~1-8 wee	
Antipsychotics -limited usefulness	SE: hypotension, sedation, anticholinergic, delirium, confusion, headache,	pointo enneudine. Response ume ili ~1-6 wei	AG
thioridazine (Mellaril)	dry mouth, constipation, weight gain, asthenia, nausea, akathisia, neuroleptic	50-100mg po bid \$16-25	10-50mg po bid \$14-16
(10,25,50,100mg tab; 30mg.ml liquid)	malignant syndrome, phototoxicity, parkinsonian side effects & tardive dyskinesia. Thioridazine prolongs the OTc interval in a dose related manner	\$10 2 0	\$1.10
risperidone (Risperdal)	and may be associated with torsade de pointes type arrhythmias and sudden	1mg po bid \$84	0.25mg po bid \$40
(0.25,0.5 $^{\varsigma}$,1,2 $^{\varsigma}$,3 $^{\varsigma}$,4 $^{\varsigma}$ mg tab;M-TAB $^{\otimes}$ 0.5,1,2mg;1mg/ml soln)	death, plus retinopathy occurs at large doses.	2mg po bid \$160	1mg po bid \$84
LHRH agonist (a:endometriosis, fibroids & menorrhagia)	SE: hot flashes, erectile dysfunction, ↓ libido, ↓ sperm count, ↓ body hair,	3.75/7.5mg IM q month \$357-44	.5
Leuprolide acetate (Lupron & Depot) ▼	injection site irritation & rare anaphylaxis (consider first a 1mg SC Lupron	11.25/22.5mg IM q3month ~\$323-36	
5mg/ml vial \(\otimes \); Depot: 3.75,7.5,11.25,22.5 \(\otimes \)30mg	test dose), renal dysfunction , flare reaction-a transient ↑ testosterone level		(\$7,1 1100 per 5 months)
Goserelin acetate (Zoladex & LA) ⋒ ▼	when initiatiating treatment & possible worsening of patient's condition. -Goserelin pellet sc into anterior abdominal wall	3.6mg SC q month \$441	
Depot: 3.6mg & 10.8mg vial	Long term risk of osteoporosis with these agents & others if testosterone	10.8mg SC q 3 month ~\$360	(\$1114 per 3 months)
		Monitor: serum testosterone,LH,CBC	C DIIN Com or Community

3. Can J Psychiatry 2001 Feb;46(1):26-34 The neurobiology, neuropharmacology, & pharmacology, a pharmacology,