

# NR 566 Final Exam / NR566 Final Exam Review (Latest 2022/2023): Advanced Pharmacology for Care of the Family - Chamberlain

Doxazosin side effects (due to alpha 1 receptor being blocked) - dizziness/syncope, headache, first-dose orthostatic hypotension, drowsiness, nasal congestion

Dutasteride (finasteride) patient teaching - benefits take months to develop, must continue taking med even if improvement not rapidly seen

may lower ejaculatory volume & libido

How to know Terazosin is working? - improved symptoms of dysuria, urgency, urinary tract infections, hesitancy etc.

When is it safe and not safe to prescribe Progesterone (Progestin)? - if woman has had a hysterectomy/pregnant

side effects of progestin-only oral contraceptives? - more likely to cause irregular/inconsistent bleeding, must be taken at same time every day to be effective

Benefits of prescribing medroxyprogesterone acetate - doesn't cause thromboembolic disorders, headaches, nausea, or most of the other adverse effects associated with combo OCs.

does not decrease milk supply during lactation

Testosterone replacement therapy routes: - treatment that involves administering testosterone supplements through pills, injections, or skin patches

testosterone patch patient teaching: - ○ good hand washing is required after application

- cover application site with clothing after medication has dried
- wash the application site before skin-to-skin contact with another person
- females and children may experience negative effects from exposure to testosterone
- if cross contamination occurs, wash the affected area with soap and water to prevent absorption

When is androgen therapy appropriate vs. not needed related to puberty? - Short term: The psychological pressures of delayed sexual maturation are causing a boy significant distress.

Long term: if delayed puberty related to true hypogonadism

testosterone replacement therapy side effects? - Hot flashes, bone fractures, decreased libido, insulin resistance, erectile dysfunction, gynecomastia, acne, HTN, sterility, hepatotoxicity, mood swings/ aggression.

Alprostadil: benefits of various routes? (for ED) - injection: can be done by patient or in ER setting; rapidly leads to erection, painless

intraurethral pellet insertion: can be done by patient, erection occurs within 5-10 mins, minimal side effects

How does carbamazepine impact oral contraceptives and what symptoms may be associated with that? - accelerates OC metabolism, reducing OC effect

can lead to abnormal bleeding, return of menstrual symptoms, and of course pregnancy!

what can the provider do if carbamazepine affecting patient's OC? - 1. Increase the estrogen dosage of the OC.

2. Combine the OC with a second form of birth control.

3. Switch to an alternative form of birth control.

Benefits of Etonogestrel subdermal implant (Nexplanon)? - it is one of the most effective forms of contraception, long-term option (contraception up to 5 years), reversible by removing rod

Papaverine plus phentolamine patient education: - do not inject more than once in a 24 hr period, notify provider of erection duration and efficacy, do not take other ED meds with this medication, needle/injection teaching, do not change the dose yourself, seek medical attention if erection is >3 hrs

Chlamydia first line drug/dose/route/frequency - Azithromycin 1000 mg PO once  
OR

Doxycycline 100 mg PO BID x 7 days

Uncomplicated gonococcal urethritis first line drug/dose/route/frequency - Ceftriaxone 250-500mg IM once

Bacterial Vaginosis first line drug/dose/route/frequency - 500 mg Metronidazole PO BID x 7 days

Herpes Simplex Virus first line drug/dose/route/frequency - Acyclovir 400 mg PO TID x 7-10 days

Trichomoniasis first line drug/dose/route/frequency - women: 500 mg Metronidazole PO BID x 7 days

men: 2 g Metronidazole PO once

Syphilis first line drug/dose/route/frequency - Penicillin G IV (dose depends on the patient)

Adverse effects associated with Pramipexole - nausea, dizziness, daytime somnolence, insomnia, constipation, weakness, and hallucinations.

Impulse control disorder can occur (excessive gambling, spending etc.)

Sleep attacks (overwhelming and irresistible sleepiness that comes on without warning)

When is Pramipexole best used in treating Parkinson's? - early stages of Parkinsons

when are COMT inhibitors indicated? (I.e. Entacapone) - If patient experiences "off" phases with their medication therapy (return of symptoms for random periods of time)

extends the half-life of Levodopa

What are sleep attacks associated with Parkinsons treatment? - overwhelming/irresistible sleepiness that comes on without warning

How to manage side effects of Bromocriptine (dopamine agonist): - Take with food to decrease GI upset

start with lowest effective dose and gradually increase

screen for hx of compulsion/sleep disturbance

what seizure meds reduce OC efficacy? - carbamazepine, eslicarbazepine, lamotrigine, oxcarbazepine, phenytoin, phenobarbital, rufinamide, topiramate

Phenytoin side effects - drowsiness, ataxia  
nystagmus  
blurred vision  
lethargy  
GI upset  
suicidal behavior/cognitive decline

patient teaching with Phenytoin - strict adherence to medication is important due to its narrow therapeutic range

patient teaching regarding anti-seizure meds and OC/pregnancy: - effectiveness of OC may be decreased by many anti-seizure meds, if pregnancy is unwanted the pt should consider adding or increasing contraception.

lowest dose/lowest number of meds used during pregnancy tends to be most safe. Risk vs benefit!

Folic acid is essential