

جميعه الكيزر و الاساله كالألمة باذن الله تعالى في ٢٣ صفحه فقط

1. Long action analgesic and anti-inflammatory drug? NSAID has more enterogenic effect? (Piroxicam)
2. MOA of anti-inflammatory ? (Decrease prostaglandin)
3. Most likely drug causes Peptic ulcer? Piroxicam Or Ketorolac Or Indomethacin
4. Man take overdose from drug then take the antidote but still no effect, why? (antidote dose was small)
5. Biological substance can be stored at ... C ? (2-8 C)
6. What pharmacist should do when wrong medication prescribed from Dr? (Inform prescriber doctor)
7. What should do with elderly man with hypertension? (start with small initial dose then increase)
8. What should do with girl has seizure and tremor رعشه when use Oxcarbazepine "anti-convulsant" ? (shift to Topiramate) "Topamax"
9. TTT of trigeminal neuralgia ? (Carbamazepine) "Tegretol"
10. Child taking Oxcarbazepine suffers from rash and redness, ? shif to Topiramate Or Ethosuximide
N.B ; this shifting is due to the child because this S.E is normal side effect ,, in case of adult ; keep using Oxcarbazepine
11. Medication is used to treat absence seizures ? (Ethosuximide)
12. Pt suffered before from migraine attack with aura, he needs drug as prophylaxis? (Topiramate 25 mg twice)
13. Middle age man has HbA1c=9 and he takes Glipizide + Lisinopril + Pioglitazone علاج سكر Dr add ? (insulin)
14. Example of drug - disease interaction? (Pioglitazone & heart failure) (Celecoxib & Cardiac toxicity)
15. Woman wants to be pregnant, she takes metformin and pioglitazone, she has history of hypoglycemic and prefers oral therapy, best TTT? (Stop pioglitazone and titrate metformin) N.B ; side effect of pioglitazone is Hypoglycemic
16. Normal range of HbA1c is ; non-diabetic 4 - 5.6
17. Bioavailability of Diclofenac injection in muscle ; 100%
18. Bioavailability refers to extent and rate at which the active moiety enters.....? (systemic circulation) "site of action"
19. Heparin & Warfarin are contra-indicated with? (Aspirin & Diclofenac & ibuprofen)
20. Heparin or Warfarin if I added to Aspirin will lead to? (Bleeding)
21. Interaction between warfarin and ibuprofen cause risk of bleeding, why? (warfarin will be replaced by ibuprofen)
22. Warfarin oral anti-coagulant is determined or calculated by? (INR international normalized ratio)
23. Heparin injection anti-coagulant is determined by? (APTT activated partial thromboplastin time)
24. Heparin and warfarin were prescribed for patient, how long he will take heparin and how much INR ? (take heparin for 2 days with warfarin then stop heparin , warfarin biological T1/2 is 48 hours)
25. Best counseling point for patients taking warfarin? (Vit K consistent)
26. Anti-dote of warfarin? Vitamin K other name Phytomenadion , phyllquinone K1 , menaquinone K2 , menadione K3
27. Anti-dote of Heparin? Protamine sulfate
28. Anti-dote of Paracetamol? N-Acetyl Cysteine Anti-dote of iron? Deferoxamine
29. Drug acts on non-receptor mechanism? Drug is used to remove excess iron by binding to free iron? Deferoxamine
30. Which decreases warfarin actions? Multivitamins
31. Which drug cause nasal bone hypoplasia? Warfarin
32. Drug that increases action of Warfarin? None of the above
33. Why should warfarin be stopped if woman want to be pregnant? Cranial facial abnormality
34. Warfarin affects ? the vitamin K dependent clotting factors II , VII , IX , X
Heparin increase ? increases the action of anti-thrombin on thrombin and factor Xa
35. Decrease or increase dose to the patient by technician is? Omission error اي خطأ في الجرعه Or (improper dose error)
36. Types of error in Pharmacy? dispensing error
37. Nurse gives patient dose 2 hours later, what is the type of error? wrong time error , administration error
38. Example of error of deteriorating drug? giving expired drug , storing drug out Refrigerator
39. Most occurring error in prescription? wrong drug order
40. Most error that may occur when patient is transferred from one unit of facility to another? missing drug he was taking
41. Dr prescribes Chlorpheniramine for driver but the pharmacist discover problem? the error occur and drug won't reach Pt

42. **Barbiturates** are Sedatives, Analgesics, and anti-convulsant Ex /barbital
ultra short barbiturates are used mainly? **Anesthesia** Ex / methohexital - **thiopental** - thiamylal
43. Side effect of Barbiturates in elderly patient? **Agitation Or Excitement confusion** لو الاتنين مش موجودين
44. Drug with slow metabolism? **Phenobarbital** ; that is short acting barbiturate
45. Anti-fungal **Amphotericin B** is used for what infection? **Systemic & Subcutaneous**
46. **Acyclovir** is used for? **Herpes simplex** virus
47. MOA of anti-emetic **Metoclopramide** ?
dopamine D2 antagonist "dopamine blocker" , agonist on serotonin 5-HT4 receptor , weak inhibition of 5-HT3 receptors
48. **Metoclopramide** action on which area? **Chemo trigger zone**
49. Which drug increase milk production by increase prolactin level? **Metoclopramide** , **Domperidone**
50. Which drug decrease milk supply? **Ergotamine** , **Estrogen** , **bromoceptrin**
51. TTT of nausea and vomiting in Breastfeeding? **Domperidone** "**anti-emetic without CNS effect**" , **Metoclopramide**
52. Duration of using Domperidone? **3 – 5 Days** not be used for more than 7 days اقصى مده اسبوع
53. MOA of domperidone? **Dopamine antagonist & can't cross BBB**
54. MOA of **Doxazosin** ? **inhibits postsynaptic alpha 1 adrenergic receptor**
55. Duration of Esomeprazole in gastroesophageal disease? **up to 24 hours**
56. **Esomeprazole** for esophageal injury? **30 days**
57. Which committee rules out a drug from the hospital? **Therapeutic evaluation committee**
58. Non formulary drug order reviewed by? = Management of the drug? **Pharmacy & therapeutic committee**
59. Formula of drug can be adjusted by? = Removing a drug from formulary? **Pharmacy & therapeutic committee**
60. MOA of statin? Decrease cholesterol by **inhibiting HMG-CoA reductase**
61. Which drug with statins can cause myopathy مرض بالعضلات? **Gemfibrozil**
 N.B ; **Fibrates** as **Gemfibrozil** is used for **hyperlipidemia** and **act on triglycerides**
62. Most likely to interact with statins? **Daptomycin** مضاد حيوي
63. Drug exaggerated blood glucose level? **Statin** or **Hydrochlorothiazide**
64. Drug can cause short onset of diabetes? Drug decrease synthesis of cholesterol in liver? **Simvastatin**
65. Diabetic patient needs drug for hyper-triglyceridemia? **Statin** as atorvastatin
66. Patient needs drug for hyper-triglyceridemia? **Gemfibrozil**
67. Maximum dose of simvastatin in geriatric ? = dose of simvastatin in hypercholesteremia ? **40 mg** دي اقصى جرعه لاي ستاين
68. Old man is on **Verapamil** "Anti-HTN" , but he will start to take simvastatin with dose? **10 mg/day**
69. Which is contra-indicated with statin? **Ketoconazole - Gemfibrozil**
70. BUN , Creatinine , Potassium , Sodium is high so patient should stop? (**Gemfibrozil**) or (**Metformin**) علي حسب الاختيارات
71. To determine severity of myopathy caused by Statins? **Serum creatinine kinase** يبحلل اي تعب بالعضلات
72. TTT of H.Pylori? **Clarithromycin + Amoxicillin + PPI as omeprazole or pantoprazole**
73. **20 mg of omeprazole** equal to what of pantoprazole or ranitidine in H.Pylori ttt? **40 mg pantoprazole**
74. Sensitivity test of Penicillin done after? **30 days or more** or **more than 20 days**
75. Penicillin sensitivity test for intradermal stage which is must? **Skin scratch test**
76. Penicillin allergy test is completed in about? **1 Hour**
77. Via scratch and intradermal test in Penicillin skin test should wait for? **15 – 20 minutes**
78. Patient with pneumonia went to hospital to get vaccine, which should give? **both Pneumonia and Influenza only**
79. Pregnant women suffer from upper respiratory disease took ceftriaxone IV, Which vaccines hospital should give her? //
80. Patient suffers from lung obstruction, which vaccine should he take? //
81. **Rhabdomyolysis** can be detected by? **Creatine kinase level , serum Ca , myoglobin K , urine analysis**
82. Which anti-psychotic patient has involuntary movements, gain weight, can't sleep , isolated from people must take?
Clozapine then Haloperidol
83. Pt suffers from psychosis, he takes medications, he developed involuntary movements, what drug he takes? **Haloperidol**
84. **Clozapine** cause? **Propylthiouracil** cause? **Agranulocytosis** ; lower white blood cells
85. Pt on Clozapine, what should be checked during ttt RBCs? **Neutrophils**
86. What will happen if we break down sustained release drug instead of using it as tablet? **Toxicity**
87. What is the toxic when breakup sustained release drug? **multi-dose toxicity**
88. Laxative is contra-indicated in pregnancy ? **Castor oil**

89. MOA of Bisacodyl is? **Stimulation of enteric nerves to cause colonic contractions**
90. What is the lowest potency laxative? **Bisacodyl**
91. What has the lowest onset of action in laxatives? **Psyllium**
92. Newborn baby is prescribed for him Morphine, what is the best route of administration? **IV**
93. Neonate suffers from cardio coagulopathy, so Vit K should be administered through? **IM**
94. Who is the reasonable for determining the best dosage form? **Pharmacist/Clinical pharmacist** وليس الطبيب
95. Patient entered hospital suffering from cramps, gave him Diazepam "Skeletal muscle relaxant" but there is no effect because this patient is addicted to kind of? **Opioid**
96. Pt came to emergency with respiratory depression? **Opioid**
97. Uses of opioids? **analgesic - antidiarrheal - antitussive - aids to anesthesia** Not anti-inflammatory
98. TCA ; Amitriptyline - Amoxapine - Desipramine - Doxepin - Imipramine - Nortriptyline - Protriptyline - Trimipramine
MOA ; **inhibit the reuptake of the biogenic amines at synaptic** , mostly norepinephrine (NE), as well as serotonin (5HT)
99. Tetracyclic antidepressant (TeCA) ? **Maprotiline - Mirtazapine - Amoxapine**
100. Patient with severe HTN & tremors and he is addicted, what is best anti-depressant? **Amitriptyline**
101. Pt with depression took Amitriptyline, but he felt depression after 2 weeks so Dr should? **shift**
102. Which drug has more effect as skeletal muscle relaxant? **Doxacurarine**
103. Drug undergo phase 1 metabolism? Drug is used in ER stress response? Drug change mental status? **Diazepam**
104. Which drug has fastest action diazepam or Lorazepam ? **Lorazepam** ; hypnotic at dose **4 mg**
105. MOA of Diazepam? (**inhibit glutamate secretion**) , modulate postsynaptic effects of GABA-A transmission
MOA of benzodiazepines? enhance the effect of the neurotransmitter gamma-aminobutyric acid (GABA) = **GABA agonist**
106. Effects of benzodiazepine in Breastfeeding ? **Enter breast milk & not recommended**
107. Benzodiazepine ? **anti-convulsion & anxiolytic** الاله
108. Drug cause sedation for fetus in 3rd trimester? **Benzodiazepine**
109. What is the anti-dote of benzodiazepine? Antidote of Zolpidem ? **Flumazenil**
110. Benzodiazepines include? (**Chlordiazepoxide** , alprazolam , estazolam , clorazepate , diazepam ,zepam)
111. Patient has benzodiazepine toxicity, Flumazenil is given but patient did not respond, Why ???
Because antidote was given to patient after 4 hours or **small amount of antidote**
112. Nicotinic drugs are labeled in Hospital pharmacy? **N**
113. In large amount of parental medication, we use? **Sterile water for Injection**
114. In pediatric analgesic for tooth growth pain, what is contra-indicated and affect on the brain? **Aspirin**
115. Teething gel for children contain? **Anti-septic** مفيش مخدر
116. Drug must keep in dark box, used for pain of toothache, dangerous effect to infant as seizure and toxicity? **Clove oil**
117. Man with BMI 85% of his age, so he is? **Very obese** مش highly
118. Child with BMI 85% of his age, so he is? **Obese**
119. Child with BMI 85% of his age has muscle and skin thickness, so he need test? **Body fat**
120. Five years old child with BMI 80% of his age, so he is? **Normal range**
121. Antidote of Narcotics as Tramadol is? Antidote for Pt with drowsiness , dry mouth , pupil constriction? **Naloxone**
122. Which decrease gastric empty rate? **Atropine & hypothyroidism** N.B ; Atropine is **muscarinic antagonist**
123. Antidote of Atropine ? **Physostigmine** " Physostigmine is used ttt of **Glaucoma** "
Side effects of Atropine ? **urine retention**
124. TTT of open angle glaucoma ? **Pilocarpine** or **Brimonidine** اثناء الحمل
125. Drop for ttt of open angle glaucoma, one drop per day? **at night**
126. Selective beta 1 blocker is used in TTT of glaucoma? **Betaxolol** N.B ; **Timolol** is non-selective Beta blocker
127. Dose of naloxone in Pediatric? (**1-2 mg**) but now **0.1 mg/kg** للاكبر 2mg , للي وزنهم اقل من ٢٠ او عمرهم اقل من ٥
128. In elderly, what is Physiological effect of drug distribution? **increase lipid sol & decrease water sol drugs**
129. Drug will be more absorbed in presence of H2 blocker as Ranitidine "increase dissolution rate" ? **Naproxen**
130. Pregnant woman take Naproxen "NSAID", what harm could to baby? **Uncontrolled bleeding**
131. Pregnancy with otitis media? **Azithromycin**
132. TTT of otitis media in children? **high dose of Amoxicillin** or **Azithromycin**
133. TTT for polyneuritis in pregnancy? **amoxicillin/clavulanate 500/125 mg orally twice daily for 3 – 7 days**
134. Take Mycophenolate "Cellcept" بيفال المناعة she want to be pregnant? **stop Myco before 6 weeks of trying to be pregnant**

135. When woman start folic acid? **before pregnancy with one month and 1st trimester**
136. Safe anti-HTN for pregnancy? **Methyldopa** ; alpha-2 adrenergic receptor agonist & **Labetalol**
137. Labetalol and carvedilol are? **antagonist of both alpha and beta** causing **peripheral vasodilation** >> **reducing BP**
138. HTN patient takes 40 mg Lisinopril and 10 mg carvedilol , he has normal heart rate HR but hypotension after drugs ?
decrease dose of Carvedilol
139. Pregnant women must take which vaccine? **influenza type 2**
140. Pregnant have hepatitis B, TTT ? **Hepatitis B vaccine** with **immunoglobulin hepatitis HBIG** ال ٢ مع بعض دايما في كل حاله
141. What is the last choice for pregnant with osteoarthritis? What cause congenital problems last 3 months? **Aspirin**
142. DOC for pregnant with itching in vagina, infection due to e.coli , allergy to sulfa drugs? **Nitrofurantoin** anti-biotic for UTI
143. Levothyroxine dose in geriatric or cardiovascular disease? **25 – 50 mcg/day** , can be changed acc to case
144. Levothyroxine dose? **100 – 125 mcg/day** >>> maximum dose is **300 mcg/day**
145. Woman takes levothyroxine 50 mg or 100mg, she become pregnant and feel fatigue? **increase levothyroxine dose**
146. PQ should be started on low dose of levothyroxine because of her? **Age** PQ ; performance qualification
N.B ; Levothyroxine is taken on empty stomach Not full stomach بيتاخذ علي معدة فاضيه ميكنش واكل
147. African American woman takes Lisinopril and another anti-HTN, she suffers from nose welling and other symptoms , what make her more suspected to this reaction? **Ethnicity** ولو مش موجوده اختار **Drug combination**
N.B ; Black people have low renin , so ACEI as Lisinopril cause **angioedema**
148. Which parameter is the most appropriate for PQ's self-evaluation of levothyroxine effectiveness? (increased energy)
149. Pt with hypothyroidism? **Levothyroxine**
150. Pt with hyperthyroidism? **Carbamazole** or **Propylthiouracil** or **potassium iodide**
Propylthiouracil PTU : used in Pregnancy as it can't cross Placenta , but not be used in general due to hepatotoxicity
151. Pt take levothyroxine , when he can monitor after? **4 weeks** لكن الاجابه الاصح هي ٦ ل ٨
152. MOA of ciprofloxacin "Quinolone"? **inhibit DHA gyrase**
153. Side effects of ciprofloxacin in children? **Phototoxicity** Side effects of ciprofloxacin? **Seizure**
154. Ciprofloxacin is indicated for? **inhaled anthrax**
155. Which medication should you avoid administrating with Calcium ? **Ciprofloxacin**
156. Which medication should you avoid administrating in patient with true sulfa allergy ?
Septra is combination between sulfamethoxazole and trimethoprim
157. Drug make complex with dietary products? **ciprofloxacin**
Drug make complex with antacids? **tetracycline** and **Fluoroquinolones** and **Doxycycline**
158. Pt takes ciprofloxacin, you advised him to ?
(**administer one hour before or two hours after phosphate administer**)
2 – 4 hours before or 4 – 6 hours after Multivitamins with mineral dose
1 hour before or 2 hours after Feeding
159. Pt with upper respiratory tract infection, has penicillin sensitivity? **Ciprofloxacin**
160. Drug if used in first trimester in pregnancy causes anemia of the fetus? **Ciprofloxacin**
161. Side effects of Cephalosporin ? **allergic reaction , mild stomach cramps , Hypoprothrombinemia** مشكله في الدم
162. Disease causes damage to brain and liver when children use aspirin? **Reye disease**
163. Aspirin dose with (Ticagrelor) علاج للجلطة ? initial loading dose **325 mg** , then maintain dose 75 – 100 mg/day
164. Early symptoms of aspirin poisoning are? **ringing in the ear & blurred vision**
165. Prescription is valid to dispense within? **72 hours**
166. Maximum days of use Narcotics? **Not more than 1 day medication may be administered at one time**
"this ttt can't last more than 3 days and not be renewed or extended"
"Nurses should replace used ampoules from pharmacy within 3 days from date of prescription"
167. Narcotic orders for inpatients? **Oral ; 72 hour** **lv ; 24 hour**
168. Maximum prescription time of narcotic for patient admitted in emergency? **24 hr** but outpatient ; **72 hr = 3days**
169. Narcotic continuous IV infusion with IV admixture? **1 day**
170. Narcotic IV still effective till ? **12 hours**
171. Non parenteral narcotics maximum prescription time? **30 days**
172. Narcotic indicaton? acetyl salicylic acid? **Analgesic**
173. Narcotics can be used for? **Cancer pain**

174. Cocaine overdose can be treated by? **Naloxone** "no official anti-dote" لكن علاج المدمن يبقى ب methadone
175. What is the narcotic that may be used in TTT of narcotic addiction? (**Methadone**)
176. Controlled drug maximum prescription time? **30** لو مفيش اختار ٩٠
177. Uncontrolled drug maximum prescription time? **90**
178. One of Controlled drugs? (**Fentanyl**) لاصقه مخدره N.B this patch may cause allergy - Avoid heat
When using Fentanyl patch **50 mcg** اهم تركيز , avoid the increase of body core temperature
179. Dispense a prescription of diazepam for? **30 days**
180. Hypnotic drug in inpatient stay for? **one day** , in outpatient stay for? **90 days**
181. In elderly, agitation and irritability may cause by? **Alprazolam intermediate acting**
182. Drugs decrease MAC "minimal alveolar concentration"? **Lidocaine , Opioid , chlorpromazine , Barbiturate**
183. Drugs increase MAC ? **Ephedrine , L-dopa , Amphetamine**
184. Drugs enhance MAC of anesthetic? **Halothane , Isoflurane , Enflurane , Desflurane , Sevoflurane , nitrous oxide**
185. L-dopa = Levodopa used to? increase dopamine concentrations in the treatment of Parkinson's disease and dopamine-responsive dystonia, " L-DOPA crosses the protective BBB whereas dopamine itself can't ".
186. Gasoline fumes induce toxicity of? **Lead**
187. Anti-dote of lead is? **Penicillamine or edetate disodium calcium (CaNa2EDTA)**
188. TTT of **Mania** "type I bipolar disorder hyperactivity and a reduced need for sleep"? Physiologically Lithium
189. Which of minerals its change will increase lithium toxicity? **Mg**
190. Anti-dote of Lithium? = Toxicity of Lithium is treated by? **Sodium bicarbonate or Sodium polystyrene sulfonate**
191. Convulsions due to Lithium toxicity can be treated by? **Phenobarbital .. Propofol .. Benzodiazepine**
192. Side effects of lithium carbonate? **decrease creatinine clearance ,, increase blood urea nitrogen BUN**
193. What be monitored when giving patient Lithium? **plasma lithium level ,, renal and thyroid function tests**
194. Side effects of lithium? **headache-dry mouth-polyuria-polyphagia-convulsion-confusion-slurred speech** واكثر
195. Drug needs serum creatinine to be monitored? **Gentamycin**
196. MOA of aminoglycosides as gentamycin and Amikacin ? **inhibit protein synthesis**
197. Side effects of aminoglycosides? **Ototoxicity** and **Nephrotoxicity**
198. Which is contra-indicated for pt has low creatinine clearance = high serum creatinine = kidney injury ?
Spironolactone "K sparing diuretic is used for ttt of HTN and low K" or **Aminoglycoside** ممنوعان لاي حاله بها مشكله بالكليه
199. Side effect of spironolactone? **hyperkalemia**
200. Lithium and gentamycin can be measured and curved down after? **8 hours , therapeutic drug monitoring TDM**
201. TDM ? **individualize pharmacokinetic parameters**
202. Anti-asthma if is used alone, can cause cardiovascular death? = Drugs have bad effect on heart?
Long acting B agonists LABAs as salmeterol , formoterol
203. Contra-indicated drugs in Asthma? (**Aspirin** and **Beta 2 Blocker**) ولو ملقتش بيتا ٢ ولقيت بيتا ١ صح بردو
204. Beta 1 receptor exist in heart - Beta 2 receptors exist in lung - Alpha 1 receptor exist in blood vessel
205. Intermittent cough = asthma can be treated by? **short acting B2 agonist SABA**
206. **Long acting B2 agonist LABA** "TTT of asthma" ? **Salmeterol - Formoterol - Arformoterol**
LABA should be taken with an inhaled corticosteroid, such as Pulmicort & Fluticasone & Mometasone
207. Your advice for patient start using of **Budesonide** "Pulmicort" ? **wash mouth with water after using**
208. **Short acting Beta 2 agonist SABA** "TTT of asthma" ? **Albuterol - Pirbuterol - terbutaline - levalbuterol**
209. Side effects of albuterol ? **Tachycardia**
210. Which benzodiazepines cause irritability? **short acting ; Clorazepate , midazolam , triazolam**
211. Best drug for patient 40 years old playing sport, dry cough , wheezing , chest tightness? **SABA**
212. Child receives short acting B agonist without improvement then he develop cough, what is TTT? **Steroid**
213. Oral narcotics get addictive after? **30 days**
214. Drug used for Cytomegalovirus? فيروس مضخم للخلايا **Foscarnet or Ganciclovir**
215. Drug is not recommended due to S.E on CNS for 65 years old suffering from heart burn and peptic ulcer? **Cimetidine**
216. Pt had accident, phobia from cars, treated with anxiolytic, takes Cimetidine for hyperacidity
Why she become phobic when take cimetidine? **cimetidine increase metabolism of anxiolytic**
217. Cimetidine is? **Enzyme inhibitor**

218. Postmenopausal woman suffers from facial flushing and vaginal drying, she has done hysterectomy procedure, which drug she should use? **Estrogen** عشان تحمي نفسها من سرطان الرحم estrogen and progestin لكن لو شايه المبيض فقط لازم تاخذ
219. Pregnant has vaginal discharge and has Candida albicans, drug of choice? **Clotrimazole**
220. Estrogen receptor positive cause breast cancer that can be treated by? **Tamoxefin**
221. Selective estrogen receptor modulator SERM ? **Tamoxefin**
222. Breastfeeding woman has hypertension, which anti-HTN has hazard on baby? **(Atenolol) Beta 1 blocker**
223. Beta blocker with intrinsic sympathomimetic activity? **Pindolol** and acebutolol anti-HTN
224. Sympathomimetic? increase heart rate - bronchodilator - Vasoconstrictor - No pupil constriction
225. Which drug contra-indicated in breastfeeding and pregnancy? **Lithium** category D
226. Methotrexate , atorvastatin , simvastatin , warfarin , Finasteride can't be used in pregnancy? **Category X**
227. Drug is toxic for neonate in breastfeeding? **Metronidazole** ,, **Voriconazole**
228. Breastfeeding woman took pseudoephedrine, what effect on baby? **irritability**
229. What is stopped in lactation? **anti-cholinergic** as **Atropine & ipratropium "Atrovent"**
230. Best drug for Insomnia? **Zolpidem** مهديء و منوم
231. Dose of Zolpidem? **Oral tablet or spray : 5mg not more than 10 mg** ,, **extended release : 6.25 not more than 12.5**
232. Drug Not cause addiction & withdrawal ? **Zolpidem**
233. What is the best hypnotic for geriatric? **Alprazolam** لكن الاصح لو موجودين هم **Zolpidem** ,, **Zaleplon**
234. Maximum dose of Zolpidem? **10 mg per day**
235. Patient is taking hypnotic and suffer from irritability and agitation because of? **Alprazolam**
236. Drug potentiate midazolam overdose? **Thiopental**
237. Patient stop medication hypnotic and suffer from irritability and agitation? **Barbiturate withdrawal symptoms**
238. % of theophylline in aminophylline? **85**
239. Drugs contraindicated during lactation? **Anticancer , Aspirin , Iodine , Androgen , Bromocriptine**
240. Bromocriptine is used in? **the treatment of pituitary tumors, Parkinson's disease (PD), hyperprolactinaemia**
241. Bromocriptine reduce? **Prolactin** لبن الرضاعة
242. Hormone cause male dysfunction in breastfeed ? **androgen**
243. What is the most common dispensed OTC in Pharmacy? **Oral anti-septic**
244. OTC multi-vitamin analogue? **Vitamin D**
245. Most common dispensed in OTC ? **multi-vitamins** or **analgesic** as **Paracetamol or ibuprofen**
246. OTC for child with fever? **Paracetamol + ibuprofen** anti-inflammatory and analgesic ? **ibuprofen**
247. Maximum daily dose of ibuprofen OTC ? **1200** ,, Maximum dose : **3200**
248. Pt suffered from acute migraine attack combined with aura. Now suffers from migraine should take?
Ibuprofen 400 four times daily
249. How to take ibuprofen? **with food and milk**
250. Drug dispense in OTC and used for cough suppressant? **Dextromethorphan or oxycodone**
251. Mild dry cough? **Dextromethorphan**
252. **Epoetin** is used for ttt of **anemia caused by kidney disease**, iron or hemoglobin conc should be? **11 mg/dl**
N.B ; **Darbepoetin** is used for ttt of **anemia caused by kidney disease with iron deficiency**
253. Action of epoetin is enhanced with? **Iron** but its action decrease due to? **vitamin B12 deficiency**
254. Pt went to Dr with high blood pressure, but BP is normal now, what are the 2 drugs that Dr prescribed?
hydrochlorothiazide and spironolactone
255. Which drug decreases Na & K and increase uric acid reabsorption? **hydrochlorothiazide**
Which anti-HTN act by increase of urination? **hydrochlorothiazide**
256. Drug has anti-androgenic effect? **Finasteride** يستخدم في علاج تضخم البروستاتا او علاج نمو الشعر المفرط عند النساء
257. Which analgesic should be used by injection for patient suffer from pain in his leg after football?
Diclofenac ولو مش موجوده نختار **Ketorolac**
258. Analgesic is considered as narcotic but is dispensed normally? **Ketorolac**
259. No aqueous preparation? **Essence colloid and Elixir**
260. **Albumin & dextran & starch** are? **colloid solution**
261. Pregnant woman has infection, is sensitive to Penicillin and resistant to erythromycin and clindamycin , what is the suitable antibiotic? Which drug has less oral bioavailability? **Vancomycin**

262. Pt after amoxicillin injection suffers from dyspnea and hypotension, now he needs ABX for URTI? **Erythromycin**
263. When taking erythromycin with oral contraceptive? **erythromycin decrease contraceptive effect**
- N.B ; Erythromycin is safe in pregnancy and is active against **gram +**
264. Maximum infusion rate of Vancomycin? **2ml/min**
265. Imipenem is used with Cilastatin to? **decrease renal metabolism**
266. Pregnant is allergic to penicillin, which antibiotic is taken against streptococci B4 delivery? **Clindamycin**
267. Clindamycin cause? **Clostridium difficile**, that is treated by? **Metronidazole**
268. Why Finasteride be stopped in pregnancy? (genital malformation to infant)=(abnormalities of external genitalia)
269. Drug can be used for long time asthma in pregnancy? (Cromolyn)
270. MOA of Cromolyn sodium? **Mast cells stabilizer**, inhibits release histamine – leukotriene, inhibits degranulation following exposure to reactive antigens.
271. MOA of oral contraceptive? **prevent ovulation**, **decrease Gonadotropin-releasing hormone GnRH**
S.E of oral contraceptive; **depression** and **hypertension** No constipation
272. In **ovulation** phase, which hormone predominates الغالب? **LH hormone ; Luteinizing hormone**
273. Side effects of using of contraceptives combination?
- Acne , PCOS polycystic ovary syndrome , PDMM premenstrual dysphonic disorder , endometriosis**
274. How many ml syrup you prepare in pharmacy? **60**
275. Target of Blood pressure for normal person? **110/80**
276. Target of Blood pressure for hypertension patient? **140/90** هناقل الضغط لحد ميوصل للرقم دا تجنبنا من اي ضرر
277. Which make oral contra-ceptive failed for 20 years old girl? **Rifampicin**
278. **Rifampicin** is used in ttt of? **tuberculosis & Leprosy , also known as Hansen's disease**
279. MOA of drug of Alzheimer? **inhibit beta amyloid peptide**
280. What is used in case of sever Alzheimer? **Memantine**
- MOA: **Glutamate NDMA enzyme receptor antagonist** and **5HT3 receptor antagonist**
281. **Donepezil**? is the only approved to treat all stages of Alzheimer moderate to sever
282. What is the ant-diabetic approved by FDA for infants? = which drug is anti-hyperglycemic? **Metformin**
283. Side effects of Metformin? How to reduce? **gases and diarrhea - reduced by increasing dose gradually**
284. When using metformin, how to avoid side effects as stomach and bowel effects? **take doses with food**
285. What is the first line agent may be considered for obese type 2 DM ? **Metformin** ولو مفيش نتیجه ياخذ غيره مع انسولين
286. Side effects and adverse drug reaction in geriatrics due to? **Polypharmacy**
287. Increase osteoporosis in geriatric will increase? **bone fracture**
288. Anti-psychotic for geriatric? **Olanzapine**
289. Smoking effect on olanzapine? **increase metabolism**
290. Smoking effect on clozapine ? **decrease its effect by affecting hepatic enzyme CYP1A2 metabolism**
291. What is cytochrome subtype responsible for drug interaction between omeprazole and clopidogril? **CYP2C19**
292. Drug-drug interaction with "Plavix" Clopidogrel? **Omeprazole** مش بيتاخذو مع بعض
لو الاتنين كانو مع بعض في كيز بيقا الحل هو **stop omeprazole and shift to Panoprazole**
293. Process requires CYP450 ? **oxidation**
294. Which is Not true about adsorption? **chemical property** and **irreversible**
But true is? **Physical property and reversible**
295. Best analgesic for geriatric with back pain , high LDL , diabetes? **Paracetamol**
296. Low-density lipoproteins LDL indicate? **arteriosclerosis** LDL ; carry cholesterol from liver to body cells
Lipoprotein lipase LPL ; is responsible for transportation of **fats to tissues**
297. Toxicity of **TCA imipramine** and **amitriptyline** can be treated by? **alpha agonist**
298. Mechanical error during filling the prescription? **Dispense the wrong drug**
299. Sign of shock? **Hypoperfusion** is reduced amount of blood flow
300. Pregnant woman has Syphilis عدوي تنتقل بالجنس , can be treated by?
(**Amoxicillin + clavulanic acid**) لكن الاجابه الاصح اللي لو موجدو لازم نختارها هي (**Benzathin-Penicillin**) ,, (ampicillin)
301. Mom has infection and infects her baby, he becomes fever, which antibiotic baby take? (Ampicillin)
302. Drug of choice for **nausea and vomiting in pregnancy** ? **Cyclizine**
303. **Clonidine** causes? **hypertensive crisis if withdrawal suddenly**

304. Treatment for **Hypertension and Migraine**? **Clonidine** , , , Or , , , **Propranolol** **الاصح**
305. **Alpha 2 agonist**? **clonidine** & methyl dopa & Guanfacine & Guanabenz Not Guanethidine
306. **Guanethidine**? "**antihypertensive drug that reduces the release of catecholamines**"
- S.E ? **orthostatic hypotension & diarrhea & prevent ejaculation & drowsiness**
307. Prophylaxis and prevention of Migraine ? **propranolol , timolol , Topiramate , valporic acid , amitriptyline**
308. Propranolol is similar in action to? **Sotalol**
309. Which drug that can cross placenta? Food increase effect of? **Propranolol**
- N.B food may decrease the rate but not the extent of oral absorption of aspirin
310. Who is responsible for release of investigational drugs from manufacturer to Pharmacy? **Chief pharmacist**
311. Who sign the form send to FDA to investigate in drug? **Chief pharmacist**
312. Task of pharmacists in medical center and hospital? **control formulary of drugs**
313. Patient treated from amphetamine addiction, he has hypertension and depression, what antihypertensive you give him the patient? **Losartan**
314. 70 years with HTN take **amlodipine** **Ca channel blocker** "Norvasc" but blood pressure still high, add? **Losartan**
315. Drug **decrease dopamine action**? drug **relax smooth muscle** , **dilate lateral esophageal sphincter**? **Amlodipine**
316. MOA of Zolpidem ? **increase GABA subtype** **is sedative and hypnotic is used in short term ttt of insomnia**
317. **Glutamic acid decarboxylase (GAD)** ; is an enzyme that catalyzes the decarboxylation and synthesis of gamma-aminobutyric acid GABA , GAD-65 and GAD-67 are both in brain and pancreas
318. MOA of Ramelteon? **Melatonin agonist**
319. **Man came to emergency after burns**, toxicity is due to? **Cyanide**
- N.B ; Cyanide toxicity is Cardiac toxicity
320. Which anesthetic cause hepatotoxicity? **Isoflurane**
321. Interaction between warfarin and TCA as amitriptyline ? **مع اي مضاد اكتئاب**
(**increase bleeding risk** , **increase adverse effect of warfarin** , **decrease warfarin metabolism** , **increase plasma level**)
322. First baby milk? (**colostrum**) ; yellowish liquid especially rich in immune factors secreted by mammary gland of female mammals a few days before and after birth of their young.
323. Pt has lower limb and trunk pain and used anti-psychotic for 11 years, what is his case? **Tardive dyskinesia**
324. Best anti-depressant given to 83 years old? **Fluoxetine** **SSRI** **selective serotonin reuptake inhibitor** "Prozac"
- N.B ; Fluoxetine is considered **drug dependence in normal dose** Fluoxetine ; **Mood stabilizer**
325. Fluoxetine wash out? **4 weeks**
326. Serotonin syndrome caused by co-administration of MAO i with? **fluoxetine**
327. Lactulose used in hepatic encephalopathy patient to? **acidify the colon to inhibit absorption of ammonia**
328. Anti-diabetic drug that is approved by FDA for **Gestation** = Diabetic pregnant ? **insulin** **ولو مفيش انسولين في الاختيارات نختار** **Metformin** "category B" , but " Glargine " is long acting insulin and is category C in pregnancy
329. Which diabetic drug is approved by DFA for pediatric use? **Metformin**
330. Long acting insulin? **Glargine** "lantus" intermediate acting insulin? **NPH**
331. 18 years boy was diagnosed with DM type 1, Dr wanted to give him **polus/basic insulin therapy** to reach normal glycemic control? **30 mg Glargine once daily**
332. Drug can't cross placenta? **insulin**
- N.B ; on insulin treatment , **K** should be monitored insulin causes **Hypokalemia**
333. Interaction of calcium channel blocker CCB with alprazolam? **CCB increase effect of alprazolam** **فهنقل جرعة**
334. **Iproniazid** release dopamine and nor-adrenaline and other amines but cause hypotension effect due to?
it's histaminic effect
335. What are the benefits of patient orientation formulary system is hospitals? **safe and effective medicines**
336. Desired patient benefits in formulary system in hospital ? **ensure effective and quality drug**
337. What are pharmacokinetic parameters studied for drug before it to patient and for estimation of dose in DAT patient ? **bioequivalence studies**
338. What is the parameter used in pharmacokinetics to assess the renal function? **CrCl**
339. Drug affect fetus in pregnancy and cause renal dysfunction? **ACE inhibitor ; Lisinopril , Enalapril , Captopril**
340. ACEIs and ARBs cause? **hyperkalemia**

341. Pt takes ACE inhibitors but he became suffer from cough ? **stop ACEI and shift to ARBs**
 ARBs : **angiotensin II receptor blocker** as ;sartan **ARBs ; Not induce cough** - **ACEI ; induce cough**
342. Which combination Dr has prescribed for HTN patient 170/90? **ACEI + loop**
343. Drug prevent micro-albuminuria ? **ACEI** "case of moderate increase in the level of albumin in urine"
 Class of drugs can transform **Macroalbuminuria** to **Microalbuminuria** ? **ACEI**
 ACEI is contra-indicated in ? **renal failure** **bilateral renal artery stenosis**
344. Levocetirizine can be used after? **6 years** **نختار اصغر سن لو حتى ٦ شهور**
345. MOA of Cetirizine ? **H1 blocker**
346. Phenothiazine drug has anti-histamine effect? **Promethazine** ; is used in ttt of **nausea and vomitting**
347. Type of water used in preparation of cold cream? **distilled water**
348. When does pharmacist send a report about side effects? **every month**
349. **Milrinone** ? positive inotropic effect - Vasodilator - **increase Ca intracellular Not intercellular** -
 phosphodiesterase inhibitor - potentiate the effect of CAMP Cyclic adenosine monophosphate
350. Digoxin is used in case of congestive heart failure for ? **positive inotropic effect**
 N.B Digoxin shorten refractory period in arterial and ventricular myocardial Not increase conduction velocity in AV node
 N.B Digoxin inhibits sodium potassium adenosine triphosphate Na/K+ ATPase , decrease sodium calcium exchange
351. Digoxin dose? Oral : 0.125 – 0,5 mg/day IV/IM : 0,1 – 0.4 mg/day
352. Digoxin causes? **hyperkalemia** , **hypomagnesmia** , **arrhythmia**
353. Phenytoin decreases the effect of digoxin because? **phenytoin is liver microsomal enzyme inducer**
354. Phenytoin effect decrease by.....? **Kidney impairment**
355. Oral bioavailability of Digoxin? **70 %**
356. Drug decreases the effect of highly bound to plasma protein? **Digoxin**
357. Drug has narrow therapeutic index? **Digoxin** it means it's dangerous, ratio between LD50 and ED50 is **small**
358. Digitoxin? **90 % oral bioavailability** - **7 days half life** - **protein binding 95%** - **mainly hepatic metabolism**
359. How many times measure drug conc for therapeutic drug monitoring in stable patient? **once during therapy**
360. Which drug has increasing oral bioavailability when broken from big particle to small particle?
dissolution rate limited
361. Patient has respiratory depression from anesthetic, which is this anesthetic? **Picrotoxin**
362. Toxin can be used therapeutically? **Botulinum toxin**
363. To be the medical center contain highly efficient data must be available follow
 (**choose the appreciate medications and the least side effects**)
364. Neonate taken sulfonamide suffer from? **kernicterus**
365. TTT of neonatal bronchiolitis? **Ventilation and supportive iv nutrition**
366. Which drug is alkylating? **cyclophosphamide or chlorambucil , melphalan , busulan , cisplatin**
367. **Cisplatin** ? **Chemotherapy** , , Not in group of anti-metabolite
368. Anti-metabolites chemotherapy : **5-Fluorouracil , 6-Mercaptopurine , Floxuridine , Hydroxycarbamide**
369. Drug affecting immunity ? **بيقلها cyclophosphamide** anti-cancer
370. Side effects of cyclophosphamide ? **bladder toxicity = hemorrhagic cystitis**
371. Which drug has interaction with anti-depressant? **Sertraline**
372. Anti-depressant for woman with seizure? **Sertraline or Sertraline or citalopram**
373. What is the best base to prepare drug for dry skin? **ointment base**
374. Drug will make bioavailability and stomach incompatibility, if you break the pill into half? **enteric coated**
375. Side effects of chlorpropamide? All : **hypoglycemia , hypernatremia , cholestatic jaundice**
376. **Trituration** ? (reducing particle size ,, purification process of crude chemicals containing soluble impurities ,, dilution of
 potent drug power with inert diluent powder usually lactose in definite proportion by weight)
377. In case of 75 years old has HTN , DM , hyperlipidemia what score according to CHADS? (**3**) but if acc to chads-VASC (**4**)
378. To be medical center contain highly efficient data? **choose the appropriate medications and least side effects**
379. Parental anesthesia commonly used for ? **rapid onset of action**
380. When choosing a drug according to? **Safety**
381. When FDA need more experiments,analysis,researches about drug in phase 4, it means? **needs more about safety**
 When pharmacopeia put the drug as phase 4 ? **safety**

382. How many phases applied to drug to be approved by FDA ? **4 phases**
383. Acc to FDA, the most dangerous abbreviation that shouldn't be written on prescription is? **P.R.N**
384. Most dangerous abbreviation put in prescription for pt with pain in joint? **(OD) او QD , QOD , Q1D QID**
385. In obese patient, the lipid soluble drug = drug distribution will? **increase**
386. Drug is used for HIV ttt because it prevent viral RNA ? **Didanosine**
387. 1 kg = 2.2 bound
388. Dose of **allopurinol** ? **100:200 mg/day** CrCl 10-20 ; 200mg/day ,, CrCl 3-10 or less than 3 ; 100 mg/day
Maximum dose; 800 mg/day
- allopurinol** is **anti-gout & anti-inflammatory & xanthine oxidase inhibitor & decrease uric acid synthesis**
389. **Probenecid** ? is **Uricosuric** that **increase excretion of uric acid in urine, reduce concentration of uric acid in blood**
390. Probenecid alters to prevent penicillin excretion? **renal tubular reabsorption**
391. **Caffeine** enter breast milk and my **cause baby hyperactive**
392. What is the enzyme affected by anti-cancer? **Aromatase**
393. Probiotics ? (supplement that give beneficial bacteria and yeast)
394. What should we do when administration rate = elimination rate ? **same dose**
395. Which anti-parkinsonism that cause mydriasis and closed angel glaucoma? **trihexphenidyl**
396. **Shorter half-life hypnotic** may cause ? **insomnia**
397. Category of lisinopril in pregnancy? (**D**)
398. Paracetamol in pregnancy? **Oral & rectal is category B** - **IV is category C**
399. Lisinopril is contraindicated in? **angioedema history patient**
400. Taste disturbance, Taste loss is caused by? **Captopril** ,, Metallic taste ? **Metformin & Metronidazole**
401. Patient with hypertension 2 , should take? **Losartane / hydrochlorothiazide**
402. MOA of **prazosin**? (**postsynaptic alpha one antagonist**) , SE ? (**orthostatic hypotension = postural hypotension**)
403. Pt take prazosin and want to take tadalafil, what is duration between them? **4 hours**
404. **Syncope** may occur with first dose of? **Prazosin** N.B first dose causes **postural hypotension 30:90 min**
- N.B Syncope is a temporary loss of consciousness usually related to insufficient blood flow to the brain
405. Pt treated for long time with alpha blocker as ttt for bladder, Dr decided to give phosphodiesterase inhibitor?
Tadaldil after 4 hours from tamsulin
406. Pt with diabetes and HTN and heart disease, take insulin and lisinopril and celecoxib >> started taking diphenhydramine
"anti-histamine" since two weeks, what is your intervention? **stop celecoxib** **لأنه يثعب القلب**
407. N.B ; **Celecoxib** causes **Cardio-toxicity**
408. Side effects of Diphenhydramine ? **Drowsiness**
409. Drug is contra-indicated with ischemic heart disease with Dyslipidemia ? **celecoxib**
410. Most common used in the selective COX-2 inhibitors ? **Celecoxib**
411. Which is osmotic diuretic ? **Mannitol**
412. Mechanism of catecholamine ? **are quickly By catechol o methyl transfer and monoamine oxidase**
413. Neonate with ductus arteriosus **التهاب في عنق الرحم** Dr want to avoid surgery, what medication? **indomethacin**
414. Drug is not allowed in kidney failure? TTT of gout attack in 24 hours? **indomethacin**
415. Minoxidil ? **Dilate arteries only** Indomethacin causes? **Diarrhea**
416. Drug causes sodium and water retention ? **Indomethacin & Minoxidil**
417. TTT of pyelonephritis ? **amoxicillin + clavulanic**
418. Elderly man with hypothyroidism and hyperlipidemia , which drug for atrial fibrillation = anti-coagulant ? **Rivaroxaban**
419. Elderly man with hypothyroidism and hyperlipidemia, what is CHAD score for atrial fibrillation prior stroke? (**2**)
420. MOA of entacapone ? (**inhibitor of catechol-O-methyltransferase (COMT)** , It is used in combination with **levodopa** and **carbidopa** (Sinemet) to treat symptoms of **Parkinson's disease**) .
421. **Carbidopa** is anti-parkinsonism by.....? **increase dopamine**
422. Pt with asthma, he took prednisolone 20mg but he still suffers from it, maximum dose of prednisolone?
(**80 mg**) or 60 **٨٠ دي جرعه الاقراص**
423. Mechanism of using salbutamol inhaler ? **exhale, shake the inhaler, put it between lips, breath slowly**
424. Why is isotretinoin "anti-acne" " contra-indicated in pregnancy?
(category X and is vita derivative that cause abortion in high dose)

425. Osmality of plasma is similar to Osmality of? **0.9% solution of NaCl 'saline'**
426. Pt with diabetes, ketoacidosis, blood pressure 90/60, K slight high, HCO₃ low>> initiate with? **saline 0.9%**
427. Patient with Hemodynamic shock HS treated with? Patient with septic shock, BP 70/40, K slight high? **Saline**
428. Side effects of flucoxacin in pediatrics? **diarrhea, nausea, rash, pain, inflammation, allergy, increase bilirubin**
429. Child with 85% of his weight, what is reason? **Subcutaneous fat**
430. How many t 1/2 needed to eliminate 99% of drug after single dose? (**6.6**)
431. An aptamer used in age related macular degeneration? **Pegaptanib**
432. Bevacizumab "avastin" is used in? **age related macular degeneration** anti-cancer
433. Palivizumab is used in the prevention and treatment of **respiratory syncytial virus (RSV)** in newborn
434. Breastfeeding strategy to avoid effect of drug taken by mom on baby? **take medicine after breastfeeding**
435. DMG di-methyl-glycine is used in? **autism act as methyl donor**
436. Relation between autism and vaccine? (No relation between autism and MMR vaccine -
relation between autism and thimerosal vaccine, **Thimerosal** containing mercury causes **Autism**
437. Drug has slow onset of action? **Buspirone**
438. Drug for woman with phobia with car? "generalized anxiety disorder GAD" **Buspirone**
439. Used in anxiety without withdrawal symptoms? **Buspirone**
440. Conc; 9 ppm = 9 mg in 1000 ml or 1 liter
441. Css is dependent? **T half**
442. Which organ should be tested in patient taking hydro-quinidine for long-time? **liver**
443. What should pharmacist do to minimize risk and side effects of otc drugs? **tell him about side effects**
444. TTT of non-lymphocytic leukemia? **thioguanine, cytarabine**
445. TTT of acute leukemia? Vincristine, Doxorubicin, daunorubicin, prednisone, 6-mercaptopurine methotrexate
- N.B; enzymes related with acute leukemia: **L-asparaginase**, dihydrofolate reductase, topoisomerase 2
446. Anti-cancer can be used Intrathecal? **Methotrexate** or Cytarabine
447. Drug cause bone marrow suppression? **Doxorubicin**
448. Side effects of Doxorubicin? **cardiac toxicity**
449. Anti-metabolite cause bone marrow suppression? **Methotrexate**
450. Anti-dote of methotrexate? **Folinic acid = Leucovorin** or **Glucarpidase = Voraxaze**
451. MOA of tetracycline? **inhibit bacterial protein synthesis by prevent bind 30S and 50S**
452. Anti-biotic causes yellow teeth? **Tetracycline**
453. Chronic user of thiazide must take? **K** Essential element through which thiazide produce its action? **Na**
454. What is drug that inhibit viral RNA uncoating? **Amantadine** **anti-viral** used in TTT of **Parkinsonism**
455. How much the dose difference in critical ill patient than original patient? **twice**
456. Which organ/tissue contributes for two compartments of drug distribution? **adipose tissue**
457. White woman came to Dr with osteoporosis, he wrote Ca and vit D and what? **Alendronate** ال ٣ بيتكتبو
458. **Alendronate** dose? (5 – 10 mg/daily) " **5 mg once daily** or 35 mg once weekly in prevention in postmenopausal woman
– **10 mg once daily** or 70 mg once weekly " TTT of osteoporosis
459. Your advice for pt takes **Alendronate**? (**take it 1/2 hr before breakfast with water and stand upright for 1/2 hr**)
460. Drug cause uterine "contraction" by relaxation of myometrium by activation of CAMP cyclic adenosine monophosphate?
beta blocker or beta agonist
461. Drug increase liver function burden? **Isoniazid** is used to treat **tuberculosis TB**
462. TTT of pulmonary tuberculosis must be continued for at least? **6 months**
463. New strategy of anti-psychotics? **Block D2 receptors in the mesolimbic system of the brain**
464. Interaction with grape fruit? **rosuvastatin, fluvastatin, pitastatin**
465. food should be avoided when taking amiodarone? **Grape fruit**
466. Most potent statin? **rosuvastatin, atorvastatin, pitastatin**
467. Drugs used for ttt of **parkinsonism** increase dopamine level, on which area act in brain? **Substantia Nigra**
468. For chronic constipation in 3 months old baby? **glycerin suppository**
469. **Anti-platelet** "inhibit clot formation" act on adenosine diphosphate? **Clopidogril** N.B; is taken **orally**
470. When we should stop Plavix "Clopidogrel" or Aspirin before cardiac surgery? **5 – 7 days**
471. Drug-drug interaction with Plavix Clopidogrel? **Omeprazole**

- [illegible]

- مش محتاج من اى حد غير دعوة حلوة وربنا يوفق الجميع اللهم امين

26. What should be monitored when use PPI ? (**PH-monitoring**) to avoid osteoporosis add Vit D, Vit B12 , Ca
27. Manage of patient with H.pylori? **Vitamin D and Ca** should be added to patient
28. What is vitamin needed in treatment by **corticosteroids for 2 years for chronic disease?** **Ca and Vitamin D**
29. Which vit D for patients with renal failure ? **Calcitriol = 1,25-dihydroxycholecalciferol**
30. Penicillin allergy is caused by ? **IgE**
31. Cough medications are contraindicated in children ? **less than 2 years**
32. At what age tuberculosis vaccine BCG should given ? **at birth**
33. MMR ? (**mixture of live attenuated viruses**) The vaccines given to immunize against **measles, mumps and rubella**
34. MMR vaccine is given at what age? **first dose 12 months , second dose 4 years**
35. Child is taking high dose of amoxicillin for otitis media, came to hospital for pneumonia and influenza vaccine ?
(**proceed to give the vaccine**) هعطيها له عادي لان المصل لا يتعارض مع المضاد الحيوي ايا كانت حاله
36. Man travelled to Africa, he got amoeba and started metronidazole 500 three times daily, after 7 days he still has symptoms, what medication should be added? (**Diloxanide**) anti-protozoal drug
37. TTT of **amoebic dysentery?** **metronidazole or tetracycline or Diloxanide** **Not gentamycin**
38. Phenytoin suspension dose "Dilantin 125" ? **15 ml / day or 5 ml three time daily or 1 teespoonful three times daily**
39. Example of **Anti-arrhythmic class 1A** "treatment of ventricular tachycardia, is a sodium channel blocker"? **Disopyramide**
N.B ; Disopyramide is **Dec. phase 0** anti-arrhythmic
40. Maximum dose of phenytoin suspension? **25 ml / day**
N.B ; Phenytoin has narrow therapeutic index - Phenytoin has **dose-dependent** according to pharmacokinetics
41. Dose related side effects of 200 mg/L phenytoin?? **Nystagmus** لديهم نفس الاعراض الجانبية
42. Pseudoephedrine is? **decongestant**
43. Total knee replacement , which anti-coagulant he should continue? **enoxaparin**
44. Dose of enoxaparin in DVT deep vein thrombosis? (**1mg/kg SC every twice daily**) or (**1.5mg/kg SC once daily**)
45. Dose of enoxaparin in knee replacement?
30 mg SC / 12 hours , initial therapy 12-24 hours post-operative and continued for 10 days or up to 35 days post-operative
46. Heparin & Warfarin ?
we start with Heparin as **UFH** " Unfractionated Heparin" الهيبارين العادي or **LMWH** "Low-molecular-weight heparin" as Clexan ,
Innohep اعطي Warfarin ببدا باحدهم عشان تاثيرهم سريع لمدة ٥-٧ ايام وفي نفس الوقت اعطي and continue with
Warfarin for 3 – 6 months
47. Which **need monitoring?** iv LMWH or iv UFH **الوريدي**
48. Side effects of enoxaparin? **Hyperkalemia**
49. MOA of Warfarin ? **inhibit Vit K epoxide reductase** فهيفال فيتامين ك اللي يساعد علي عمله التجلط
50. Route of administration of Enoxaparin and Morphine? Enoxaparin ; **SC** Morphine ; **IV** or oral – IM - rectal
51. What should you do if Dr prescribe amoxicillin but you have not the brand? **give the generic**
52. Dose of Ferrous sulfate الحديد يبيع العال انيميا الحديد (**600 mg/ day**) **300 BID**
53. Pharmacy regulation and guidelines is coming from? **sFda** or **GPhC general pharmaceutical council** **الاصح**
54. In which muscle we give vaccine for infants? **the vastus lateralis muscle in the anterolateral thigh**
55. Validity of pharmacy permit? **5 years**
56. Category B in pregnancy? (animal reproduction studies have failed to demonstrate risk to the fetus and there are no adequate and well controlled studies in pregnant woman - May me acceptable)
Category A ? generally acceptable Category C ? use with caution Category D ? use in life threatening
57. At what time 99% of the drug will be cleared from the plasma? (6.6 T half)
58. Diphtheria ? **is an infection caused by the bacterium Corynebacterium diphtheria**
59. Vit C is used for? **Persuasive**
60. Daily recommended dose of vit C in male ; **90 mg/day** in female ; **75 mg/day**
61. Role of scientific office in pharmaceutical company ?
(provide scientific , technical and marketing information on pharmaceutical preparations throughout the Kingdom)
62. Tyrosine kinase class 2 receptors are? **insulin receptors**
63. Nilotinib ? MOA **tyrosine kinase inhibitor**
uses **chronic myelogenous Leukemia** & **gastrointestinal stomal tumor**
64. Tramadol writhen 2 days ago in Riyad, you are pharmacist in Damam, what will do? **Dispense**

65. **Sitagliptin** ? anti-diabetic , MOA : **inhibitor of the dipeptidyl peptidase4 (DPP-4)** enzyme
66. Adenafil effect on patient using Nitrate with diabetes? **non-pharmacological treatment**
N.B ; Sildenafil is contra-indicated with Nitrates - **Sildenafil is contra-indicated with Lisinopril** يتأخذ بعده بـ ٤ ساعات
67. Drug dispensed to patient and nurse found that there was another dose at patient room? =
Nurse received extra vial in the bag? **return the dose to pharmacy**
68. **Misoprostol** is used for? **prevent and treat gastric ulcer**
69. Woman with seizure is taking valporic acid, she is planning to be pregnant, best choice? (change to Levetiracetam)
70. Pregnant taking valporic acid, goes to Dr with tonic colonic seizures? (use valporic with folic acid) Or go to Dr
71. Girl has epilepsy , take valporic acid , it's control the disease , she planned to be pregnant and she take folic acid ?
(give her Levetiracetam & decrease valporic acid dose till epilepsy is well controlled then discontinue)
72. TTT of patient with prostate hyperplasia and dysuria? **Alpha blocker** ,,
5 alpha reductase inhibitor as **Finasteride** and **Dutasteride** ,, Tadalafil 'cialis' استخدامه نادر انتصاب مع ضعف استخدامه فقط
73. Baby with immunodeficiency syndrome SCIB took immunoglobulin which vaccine is contra-indicated? (RV rotavirus)
74. TTT of Ketoacidosis? Correction of fluid loss with IV fluids - Correction of acid-base balance
Correction of hyperglycemia with Insulin - Correction of electrolyte disturbance especially K loss
75. Liraglutide " Victoza " ? is a glucagon-like peptide-1 receptor agonist (GLP-1 receptor agonist) also known as incretin mimetics. It works by increasing insulin release from the pancreas and decreases excessive glucagon release.
76. Urine incontinence drugs for urge conditions?
Mirabegron (Myrbetriq) - Anti-cholinergic - Ona botulinum toxin type A 'Botox'
77. Drug and Dose for infant with mild fever? (Paracetamol 1 g / day)
Maximum daily dose for children 1 g Maximum daily dose for adult is 4 g
78. TTT for baby 1 month suffers from mild fever? (Paracetamol nasal metered dose 15 mg / kg)
79. The best drug delivery in infant? (Neutralizer)
80. Masking acidic taste of syrup use which flavor? (strong base anion exchange resins)
81. Organo-phosphorus toxicity removed by? (**Pralidoxime**)
82. Man with HTN and myocardial infarction, take metoprolol and nitroglycerin "for angina" but he now suffers from erectile dysfunction , what is for erectile dysfunction? (no pharmacological treatment)
83. Beta blocker in ttt of angina? (**prevent reflex tachycardia**) "decrease O2 demand" (**decrease sympathetic cardiac stimulation**)
84. Nitroglycerin ? taken sublingually - relax biliary muscle - decrease blood pressure **Not slow heart rate**
85. To supply the myocardium with O2 shortly after myocardial infarction we give? (Aspirin)
86. Which drug relief pain in case of MI myocardial infarction? (**Morphine**)
87. Which decreases heart rate? (metoprolol) Beta 1 blocker
88. Side effect of Nitrates as nitroglycerin ? (Headache) Tolerance استخدامها لفترة كبيرة بسبب
89. Hyperthyroidism? Increase in T3 and T4 & decrease in TSH thyroid stimulating hormone
90. Hypothyroidism? decrease in T3 and T4 & increase in TSH thyroid stimulating hormone
اسبابها هي iodine deficiency - low hypothalamus - low pituitary hormones
91. Woman has high level of T3 and T4 and normal TSH , give her? (**Methimazole**)
92. Pt is in omeprazole and it is expired , what is your advice? (buy a new one)
93. Loop Diuretic side effects are **ototoxicity & deafness** صمم? (**Furosemide**)
94. Drug-Disease interaction ? (**Furosemide and Osteoporosis**) Furosemide is loop diuretic , induce **Hypocalcemia**
95. Diuretic of choice in renal failure? (Loop diuretic)
96. Furosemide IV "about 120" should take? (30 min)
97. Compassionate drug use? (use of new un-approved drug)
98. Off label ? (medication is used in a manner not specified in FDA approved packaging level >> Unapproved
99. Overlapping of Clexane "enoxaparin" with Warfarin ? (at least 5 days)
100. Voriconazole dose in hepatic impairment? (100mg twice daily)
101. Dose of Voriconazole should be adjusted in? (Liver cirrhosis)
102. **Aliskiren** ? is the first in a class of drugs called direct **renin inhibitors** , indication is essential = primary **hypertension**
103. Aliskiren contraindications? (furosemide , ketoconazole , sildenafil , celecoxib , aspirin , atorvastatin , nifedipene)
104. By using Lamotrigine, we start with small doses then increase? (to prevent development of serious rash)
105. Lamotrigine " Lamictal " ? anti-epileptic medication, also called an anticonvulsant

106. Pt takes valporic acid , have to start taking of Lamotrigine, what is maximum initial dose of Lamotrigine? 200 mg
107. Pregnant woman should watch out for? vitamin A لازم الحامل تتجنبه
daily intake of vitamin A for adult female is 700 mcg , for adult male is 900 mcg , for breastfeeding is 1200-1300
108. **Terazosin** ? anti-HTN ,, MOA ? **selective alpha 1 antagonist**
N.B ; which drug **treats BPH** by **relaxation of bladder neck**? **Terazosin**
109. Maximum dose of Phenytoin ? 300mg per day phenytoin dose is 100 ; 300 per day
N.B ; each 100 mg of phenytoin sodium contains 92 mg of phenytoin base
110. Dr prescribes phenytoin 100mg TID, then change the dose, after how many days need monitoring? 30 days
111. Side effects of Phenytoin? (**congenital anomalies** , hepatic necrosis – confusion – tremor – irritability
N.B ; Alcohol decreases effect of phenytoin by increase its metabolism
112. Uses of phenytoin other than anti-convulsant ? TTT of irregular heart beat & painful nerve conduction "neuralgia
113. **Sevelamer** "Renagel" \$ **decrease serum uric acid and phosphorus** concentration in chronic kidney disease
\$ treat **hyperphosphatemia**
114. Vincristine " anti-cancer for Leukemia " administration? (by minibag "IV push" or infusion "IV")
115. Dosage form preferred for children? (Oral)
116. Montelukast "singulair" ? is leukotriene antagonist ,, is administered orally
TTT of asthma , relieve symptoms of seasonal allergy
117. Biosimilar ? is biological medical product that is identical copy of original product that is manufactured by different company, are officially approved versions of original products and can be manufactured when original products expire
118. MOA of PPI proton pump inhibitor? (irreversible block hydrogen potassium adenosine triphosphatase enzyme)
inhibitor H⁺/K⁺-ATPase proton pump
119. Receptor response in milliseconds and other in seconds? (ligand gated receptors and G – protein receptors)
120. Example of isotonic solution ? (Ringer solution)
121. Example of high alert solution ? (dextrose 20%)
122. Patient with acne takes Doxycycline for systemic use & adapalene for topical use , he suffers from heartburn?
(take omeprazole with doxycycline) N.B ; Doxycycline can't be dispensed without prescription
123. When using Doxycycline, how to decrease GIT side effect ? (drink large amount of water)
124. Smoker man drink coffee , take steroid , married to 2 wives , how many factors affect ulcer? (3)
125. Monoamine oxidase inhibitors (MAOIs) علاج الاكتئاب inhibited with cheese? (Tranylcypromine)
126. TTT of malignant hypertension? (IV sodium nitroprusside)
127. Nitroprusside for congestive heart failure patient is administered by? (**slow iv infusion**)
but in less urgent cases : Oral drugs as captopril , clonidine , labetalol , prazosin " all have delayed onset of action "
128. Anti-pseudomonas drug? (meropenem)
129. **Myasthenia gravis** (MG) ? is a long-term neuromuscular disease that leads to skeletal muscle weakness
TTT of MG ? (**Pyridostigmine**) or neostigmine
130. **Rivastigmine** "Exelon patch"? treatment of **Alzheimer** and Parkinsonism "
MOA? (**reversible cholinesterase inhibitor**) Side effects ? (**nausea and vomiting**)
131. Phentolamine ? is a synthetic imidazoline with **alpha-adrenergic antagonist** activity
132. Addictive driver challenge police , talkative , aggressive ... addiction of ? (amphetamine)
133. MOA of **Amphetamine** ? (sympathomimetic amine that promotes release of dopamine and norephedrine from their storage sites in presynaptic nerve terminals) (**indirect adrenergic agonist**)
134. Woman wants the prescription of her drug because her case is like his case as she said , what will you do ?
(give her the telephone of prescriber doctor)
135. Car driver wants anti-histamine? (Desloratadine)
136. What is the time interval between 2 drugs if half life is 4 hours? (8 hours)
137. What are the 5 rights of drug administration? (Right patient , drug , dose , route , time)
138. Base is used in suppository? (Cocoa butter)
139. Dose of Zaleplon ? sedative , ttt of insomnia
Normal : oral 10 mg before bedtime , maximum dose is 20 mg
Geriatric : oral 5 mg before bedtime , maximum dose is 10 mg

140. Pt with Cold, take drug A (pseudoephedrine and chlorpheniramine) and drug B (pseudoephedrine and loratidine) you advised him for sensitivity ? (take drug B because it has more benefits)
141. More important mentalic multivitamin? = which is found in vit B12 ? (Cobalt)
142. MOA of **Hydralazine**? (**Relaxation for smooth muscle** ,, **Dilation for arteries more than veins** Vasodilator)
143. Drug can't be used as monotherapy in mild hypertension? Hydralazine
144. Pt with depression take Fluoxetine but no effect so Dr want to change to Phenelzine, when start to take it? (4 weeks)
145. Avanafil ? (is a phosphodiesterase-5 **PDE5 inhibitor** , approved for erectile dysfunction)
146. Pt with psychosis, he started to take drug that has lowest hypnotic effect, this is? (Risperidone)
147. What is the best combination for secondary HTN ? (ACE-inhibitor + CCB calcium channel blockers + thiazide)
148. Tablet must be uniform to ensure? (Bioavailability)
149. Infant with croup , what is the virus that cause this? (Para influenza)
150. TTT of Extrapyramidal for 70 years old ? رعشه الاطراف (Benztropine) or (Benztropine and diphenhydramine and trihexyphenidyl)
151. Which is fast absorption SC or rectal or oral or topical ? SC
152. Side effects of calcium carbonate? (constipation)
153. One drop has volume of...? (variable depending on the liquid and dropper)
154. Pharmacovigilance (PV or PhV)? Postapproval standing scientific and data gathering activities related to the detection , assessment , understanding , prevent side effects S.E
155. Child swallowed 100 capsules of iron , each cap contains 18mg? (gastric lavage)
156. MOA of **Benzoyl peroxide** gel in **Acne** ? (keratolytic) N.B ; **Benzyl benzoic acid** is used in **Acne**
157. Your advice to patient with Angina uses Isosorbide dinitrate ? (chew and swallow tablet)
158. Which is contra-indicated in angina? (Vasopressin)
159. Which hormones of **posterior pituitary gland**? **Vasopressin** ; anti-diuretic hormone ADH **Oxytocin** ; its IV infusion is used to induce labor
160. Pregnant began labor actions for 12 hours, contractions were strong at first, which drug can be useful? Oxytocin
161. Hormone is released from adrenal cortex adrenocorticotrophic? (progesterone)
162. 35 years old woman has BMI 35, oral contraceptive? (only progesterone pill)
163. Contraceptive for Breastfeeding woman? (Progesterone)
164. Monophasic OCs ? (estrogen + progesterone)
165. women with **Deep vein thrombosis DVT** ; **avoid combination contraceptive** , use only **Progesterone** or **Levonorgestrel** N.B ; Estrogen is contra-indicated with DVT
166. Woman takes estrogen , she made hysterectomy so she should take ? (**hydroxyprogesterone**) عشان يعاكس تاثير الاستروجين
167. TTT for pregnant with DVT ? Heparin N.B Warfarin is contra-indicated in pregnancy
168. Neonate with fever , persisting cough , nasal discharge ..Diagnosis? (Pneumonia)
169. Which increase absorption of iron? (Vitamin C = ascorbic acid ,,,,,, meat and fish)
170. MOA of **Beta carotene** ? (**is precursor of Vitamin A**) NB ; vit A = retinol
171. Anti-depressant Selective serotonin reuptake inhibitors (SSRIs) **Citalopram** , maximum dose in elderly over 60 years old is **20 mg/day** due to QT prolongation , what can be problematic with iron supplement in elderly? **Absorption**
172. Pt with green sputum "or greenish yellow", what is best anti-cough? (Guaifenesin) as Guaiatuss, Robitussin
173. Who is the patient with multiple prescription Note take OTC? (geriatric)
174. What is the precaution for child with Neisseria? (isolate to prevent transmission through close respiratory or mucus membrane contact)
175. Pt takes alprazolam & **Verapamil** " Ca channel blocker , Anti-HTN , Angina " , your advice? (decrease alprazolam dose because Verapamil increase level of alprazolam)
176. Verapamil inhibits the metabolism of? (**Digoxin**)
177. Verapamil anti-arrhythmic is class 4 - Propranolol anti-arrhythmic is class 2
178. Girl came to pharmacy with her brother drugs needing same drugs? (send her to doctor)
179. Live vaccines? (influenza , measles , mumps , rotavirus , tuberculosis BCG , rubella , yellow fever
180. Pregnancy vaccines? routine : inactivated influenza IIV - Tdap TT/Td >>>> Safe

Not contra-indicated : Hepatitis A and B - Pneumococcal - Meningococcal - yellow fever - inactivated poliovirus

Contra-indicated : **MMR** - Live attenuated influenza **LAIV** - **Varicella**

181. DOC for pneumonia ? Cefuroxime 500 BID for 7 – 10 days + Azithromycin 500 once daily for 5-7 days or Doxycycline 100 BID for 7 – 10 days
182. Drug of choice of pneumonia ? (Penicillin)
183. Test for renal function? All is correct but the best is (Serum Creatine)
184. Paracetamol is hepatotoxic due to its action on? (Glutathione)
185. Drug increases Paracetamol toxicity? (ethanol alcohol)
186. Which is indicator for a toxicity of a drug? (Necrosis of liver by Paracetamol)
187. Pt feels pain and myocardial infarction MI , he already is taking Paracetamol, what should give him?(Morphine)
188. Morphine cause ? (Constipation) ,, Anti-cholinergic cause ? (Constipation)
189. Most important for constipation patient? (daily take water)
190. PO ? (drug taken by mouth)
191. HTN drugs ? (must taken gradually)
192. **Streptokinase** is used in? (**Myocardial infarction** & **Clot lysis** **بيقتت الجلطات**)
193. **Cyproheptadine** ? (**anti-histamine**) (5-HT antagonist & H1 anti-histamine)
194. Codeine ? (cough suppressant)
195. In TTT of depression, which drug interact with St John'wort ? (Sertraline)
196. Pain killer is classified to Narcotics and in green line? (Oxycodone)
197. Recently interred the green list and considered as narcotic drug? (Gabapentin)
198. 45 years with kidney failure from 2 years, increased K and life threatening arrhythmia, ttt? (iv calcium chloride)
199. **Varicella** zoster virus (VZV)? Cause Chickenpox
200. Patient identification by? (name and medical record number)
201. First drug of choice in Pre-hypertension? (Diuretic)
202. What is drug of choice fot patient with erectly dysfunction, HTN , DM , hyperlipidemia ? (**Sildenafil**)
203. Drugs mask hypoglycemic effect? (.....LOL - Clonidine) " mask tachycardia and tremors بتوع السكر المنخفض"
204. Drug exaggerated insulin ? Masking hypoglycemic symptoms ? (Metoprolol)
205. TTT for woman with chronic short breath? (Cortisone)
206. Most drug used in **immune suppression**? (**Cortisone**)
first ; anti-inflammatory drugs of cortisosteroid such as Prednisone
Second ; cytotoxic drugs such as Azathioprine and Cyclophosphamide
third ; fungal and bacterial derivatives such as Cyclosporine
207. **Cyclosporine** is used as? (immunosuppressant after organ transplantation)
208. Pt with left **ventricular dysfunction** "**ejection fraction**", he developed **dyspnea** "**shortness of breath**" and make difficult for him in daily life, it cause by? (B2 blockers)
209. **Clomiphene** is a non-steroidal fertility medicine. It causes the pituitary gland to release hormones needed to stimulate ovulation , use? (**cause ovulation in women**) , **inhibit negative feedback of estrogen**
210. Gonadotropin is used to (induce ovulation and treatment of infertility)
211. MOA of **chorionic gonadotropin** in TTT of infertility? (follicle and induce ovulation)
212. Nurse wants dose in syringe, how pharmacist dispense the dose? (in vial and she dispense when reach bedside)
213. When expire date for drug end in December? (31 December)
214. TTT of **acute ischemic stroke**? (**Fibrinolytics**) tissue plasminogen activator , streptokinase , urokinase
215. TTT of head lice? Premethrin – Lindan – Malathion – Ivermectin – Piperonyl butoxid – Itraconazole – Terbinaden – Benzyl alcohol lotion
216. Most common cause for pediatric dose error than adult? (most medication is liquid)
217. Benefit of using the unit-dose-system ? (decrease medication error " Dose error ")
218. **Melena**? Refers to the dark black, bloody, tarry feces that are associated with upper gastrointestinal bleeding
TTT of melena ? (**Sulfasalazine**) : anti-inflammatory and immunosuppressive cause :
inhibition of prostaglandin and leukotriene and cytokine – impairment of white cell adhesion – activation of PPAR gamma
219. Uses of sulfasalazine? Inflammatory bowel disease - ulcerative colitis - Crohn's disease
N.B ; irritable bowel syndrome is different than inflammatory bowel disease

1. Antibiotic for community acquired pneumonia that need hospitalization (ceftriaxone + macrolide)
2. Macrolides? Azithromycin - clarithromycin - erythromycin - spiramycin - telithromycin "inhibit protein synthesis"
3. Antibiotic for community acquired pneumonia that need ICU (ceftriaxone + azithromycin or fluoroqionolone)
4. Drug needs Dose-Adjustment in Renal-Failure (impenim+Cilastatin)
5. Lab test can be done now (iron)
6. Lab test have to done today (CBC)
7. Patient with ulcerative colitis TTT on Cortison and mesalazin , must use (**Calcium**)
If Colitis only without Cortisone , must take (**Vit B12**) but for prophylaxis must use (Calcium+Vit B12)
8. Predominant hormone in Ovulation phase is (LH)
9. Folic acid dose in non-pregnant (**400mcg/day**) in pregnant (**600mcg/day**) in lactating (**500mcg/day**)
- 10.P.R.N (When needed or When required)
- 11.When we need omeprazole as single therapy (Gastritis)
- 12.Treatment of moderate to severe asthma? (Omalizumab)
- 13.Vaccines should be administered for every pregnancy in 27:36 weeks? (Tdap = tetaunes+diaphthria+pertussis)
14. The same vaccine of Tdap but for children 0:6 years? (Dtap)
- 15.**Calcium dose** for geriatric? (**1000 : 1200 mg**) N.B; calcium dose for 65 years woman ? 1200 mg
- 16.**Daily dose in case of iron** deficiency ? (1200 mg ferrous sulfate) or (**325 mg BID** elemental iron) "100mg 3 times?
- 17.Vit D3 dose for geriatric? (600 iu) .. Vit D for younger than 70 (600 iu) for older than 70 (800 iu)
- 18.MOA of Bulk laxative is ? (add water and bulky to stool and soften stool like jelly)
- 19.Gray baby syndrome is caused by (Chloramphenicol) - Gray man syndrome is caused by (Amiodarone) anti-arrytmic
- 20.Red man syndrome is caused by (Vancomycin)

21. **Lupus** syndrome "long-term autoimmune disease مرض جلدی" is caused by? (**hydralazine** or **Procainamide**)
22. **Hydralazine** in pregnancy? (category **C**) use ? (Anti-hypertension , Vasodilator)
23. **Tachycardia** of **hydralazine** Anti-HTN is treated with? (Propranolol)
24. Drug cause **long Qr** and **bradycardia** ? (**Propranolol**)
25. Both of **Cimetidine** "H2 blocker" and **Spironolactone** have? (Anti-androgenic) effect
26. Drug has **low androgenic activity** = **anti-progesterone cause abortion** ? (**Mifepristone**) ولو مش موجوده نختار spironolactone
27. Drug of choice for Giardiasis and Amoeba (Metronidazole)
28. renal clearance + hepatic clearance + lung clearance = (total body clearance)
29. Grain = 65mg = 0.065gram
30. Respiratory acidosis is caused by (CO₂ retention)
31. **Skeletal muscle relaxant** can be used with hepatic and renal failure? (**atracurium**)
32. MOA of **Chloroquine** ? (anti-malaria) , (bind to heme and prevent it's polymerization to hemozin)
33. Anti-malaria is **avoided** in glucose-6-phosphate dehydrogenase G6PD deficiency ? (**Primaquine**)
34. P.C = after meals A.C = before meals P.R.N = as needed QID=QDS= 4 times daily
35. **Quinidine** ? anti-arrhythmic , SE ? **Cinchonism**
36. **Anti-arrhythmic drugs class 1A** ? **Procainamide** & **Quinidine** & **Disopyramide**
MOA ? (**decrease rate of phase 0 depolarization**)
37. Quinidine is similar in action with? Procainamide
38. **Desmopressin** ? بيقال العطش و التبول الزايد **Diabetes insipidus DI** and **Nocturnal enuresis**
39. After drug metabolism, the drug become? (Polar)
40. Anti-dote of iron toxicity? (Desferrioxamine)
41. Digoxin can't be used in? (renal failure)
42. **Digitalis cause Arrhythmia** can be treated with? (**Lidocaine**) Or **Phenytoin** Or **Procainamide** Or **Propranolol** بترتيب الاصح
Ventricular arrhythmia with **heart block** can be treated with? (**Phenytoin**)
Ventricular arrhythmia can be treated with? (Procainamide)
43. Anti-dote of Digitalis ? (FAB fragment) Fragment antigen-binding
44. The main cause of **Digitalis toxicity**? (**renal failure** and **hypokalemia**) Digoxin is Example of Digitlis
45. Digoxin action can be reduced with? (antacid and hyperthyroidism)
46. Drug for most rapid relief of acidity? (antacid **Al / Mg hydroxide**) neutralize acidity
47. Which antacid cause **cathartic effect** as side effect ? **Mg hydroxide**
48. Mg antacid for patient with renal failure, this antacid will cause....? (decrease elimination of Mg)
49. Sodium bicarbonate antacid make an out elimination of ? (pka = 1.2 weak acid)
50. PKa for normal water in room temperature? (14)
51. Aspirin pka is 3.2 , will be stable at PH? 2 or 3 or 4 or 6
52. Routine medication for influenza? , which vaccine should be taken although you don't need it? (influenza vaccine)
53. Influenza vaccine is contra-indicated in? (0 – 6 months baby) مصل الانفلونزا يؤخذ مره كل سنه
54. Which is used as bronchodilator in anaphylactic shock ? (Epinephrine)
55. Insulin given IV is? (regular)
56. Cetirizine "zyrtic" ? (H1 blocker)
57. **Nevirapine** is used in ttt of ? **Zidovudine** = Azidothymidine is used in? (**HIV " AIDS "**)
58. To know the severity of immunodeficiency in HIV ? (**CD4** count)
59. Live vaccines are contra-indicated for patients with? **CD count less than 200** ممنوع ليهم اي مصل
60. **Etidronate** is used in ttt of ? (**Osteoporosis** or **Paget's disease**) علاج فرط كالسيوم الدم
61. **Rofecoxib** is ? **COX-2 selective** non-steroidal anti-inflammatory drug (NSAID)
62. Anesthetic causes **cardio-toxicity** ? (**Bupivacaine**)
63. TTT of **tape worms**? (**Praziquantel** الافضل Or **Niclosamide**)
64. TTT of all types of Schistosomiasis ? (Praziquantel)
65. **Diltiazem** ? **Calcium channel blocker** Anti-HTN , **inhibit calcium influx** , **decrease the inward calcium to cells**
66. Effect of Erythropoietin "Eprex" **decreases** in case of? (**iron deficiency**) يحتاج حديد عشان يشتغل عشان كذا بيتاخذ معاه مكمل حديد
N.B ; other things may decrease its action : High aluminum - Vitamin B12 and folic acid deficiency __ بس الحديد اهم شيء
Erythropoietin treat **anemia induced by CRF chronic renal failure by increasing number of new RBCs**

67. **Emergency members** should take what vaccine to avoid nosocomial infection? (**Meningitis vaccine**)
68. Neuromuscular blocker block ? (**acetylcholine**) one of them that has lowest half-life? (**Succinylcholine**)
69. **Zanamivir** is a medication used to treat and prevent influenza caused by influenza A and B viruses وقاياه من الانفلونزا
70. Probiotics ? (bacteria and yeast eaten to provide patient with health)
71. Which drug can be taken by inhalation? (**Amyl nitrite** for angina or **Halothane** is a general inhalation anesthetic)
72. Grinding of solid or powder in liquid or ointment? **Levigation**
73. Change the drug from tablet to final powder? **Disintegration**
74. Which is used to counteract toxicity of drug after 1 hour of ingestion? **activated charcoal**
75. Which of the following is released by bacterial cell wall during phagocytosis? **endotoxin**
76. Which of the following is released by bacterial cell wall during infection or growth? **exotoxin**
77. To increase duration of Lidocaine? (Epinephrine)
78. Which microorganism is the cause of Travelers' diarrhea ? (**E.coli**) ,, TTT ? **Quinolone as Ciprofloxacin**
79. Anti-cancer from plant alkaloid origin? (**Etoposide**)
80. Anti-cancer from Vinca alkaloid plant origin? (Vinblastine & Vincristine) اولهم Vin
81. PPM ? part per million Or million part
82. Which drug is used as **Antispasmodic**? **Baclofen** باسط للعضلات
83. Used in Psoriasis مرض جلدي ? **Coal tar** قطران الفحم
84. The Latin abbreviation for " State "? **immediately**
85. Action of Dopamine in cardiac shock? **increase force of contraction** , **selective dilate renal and mesenteric**
N.B ; Dopamine is precursor to norepinephrine and elevates blood pressure
86. Which is used to deal with adverse drug effects ? **pharmacovigilance** "safety"
87. Study in which we use different studies to make conclusion? **meta analysis** or **systematic review**
88. First line in TTT of breast cancer , Estrogen antagonist ? **Tamoxifen**
89. Anti-estrogen cause abortion? " **Anastrozole** " TTT of breast cancer
Anti-estrogen ; Anastrozole - letrozole - Tamoxifen - Clomifene
90. **Toxidrome** ? (over poison induced syndrome) - (physical signs and symptoms due to specific toxicity syndrome)
91. Prescription label should contains? **physician name** in case of opioid, it contains? **patient name**
label of drug must contain ; **Patient name** & Prescription must contain ; **Physician name**
92. If a medication error happened , the first person to refer is? **Prescriber**
93. Unit dose system in hospital? **to decrease medication error**
94. What is meaning of **FDA fast track**?
(drugs that shows promising results for life-threatening disease with No others available can do that)
95. Prevention of **cervical precancer** and cancer caused by human papilloma virus 16 and 18? **HPV human papilloma virus vaccine**
96. What is the vaccine that **reduce incidence of infertility** ? **HPV human papilloma virus vaccine**
97. Unit dose cassettes in hospital has doses of ? **Day**
98. Who is more prone to influenza symptoms and problems? **Pregnant**
99. High distribution volume = concentration of drug in tissues is higher than that in plasma
100. 45 years old man, his volume of distribution is 35L, what is the interpretation? **drug is highly distributed in plasma**
101. Esophageal ulcer is occurred due to? **increase gastric secretion**
102. Drug for esophageal reflux? PPI is used in GIT bleeding? **Pantoprazole**
103. 1st order elimination ? increase of drug dose >>> increase elimination rate
104. Another name for soluble solution ? **Homogenous**
105. Which is less potent than Tubocurarine ? **Succinylcholine** skeletal muscle relaxant for intravenous
106. Which of the following conditions have non preventable adverse effects ? الاثر الجانبي هيجصل هيجصل
(tachycardia with someone forgot his dose of anti-HTN and took 3 pills)
107. **Dantrolene** ? skeletal muscle relaxant acting as a receptor antagonist to the ryanodine receptor, and decreasing free intracellular calcium concentration
108. Ergot alkaloids? as Dihydroergotamine and ergotamine , Used in **uterine stimulant**
109. **Phenylephrine**? "**decongestant**" ,, is **alpha-adrenergic receptor agonist**
110. Storage of narcotic prescriptions ? (**36 months** في حاله دستور الادويه)
111. You should keep the prescription of narcotic in pharmacy for? **5 years**

112. Drug dependence means? **addiction** N.B ; **Benzodiazepines** cause dependence
113. Dependence ? **increase dose of drug associated with withdrawal symptoms if sudden decrease**
114. Tolerance ? **increase dose of drug to obtain the same effect**
115. Antibiotic causes diarrhea as a side effect? **Amoxicillin and clavulanic combination**
116. Man came to hospital with vomiting and dizzy after he ingested toxic dose of certain drug, what is the most important step? **watch the vital signs and make them normal**
117. Woman came hospital with pinpoint pupil and vomiting and dizziness, which drug is responsible?
(Heroin) because it is opioid agonist and cause myosis " excessive constriction of the pupil"
Not cocaine because it causes Mydriasis "the dilation of the pupil"
118. **Pregnant** with **G6PD deficiency** and **UTI**, drug of choice for **UTI** in this case is? (**Cefuroxime**) الأفضل
N.B Tetracycline & Sulfa drugs can't be used in pregnancy - Vancomycin is the last choice
Nitrofurantoin is category B can be used to treat UTI , is contraindicated during labor and delivery
119. Pt with DM , HTN , sensitive to sulfa drugs, which drug is contra-indicated? " **Glypride** " يبيعالج السكر ولكن به صلفا
120. Acetylcysteine ? Mucolytic
121. Drug makes urine Red? " **Rifampicin** - **Phenazopyridine** - **Senna** - Doxorubicin "
Drug makes urine Brown? " **Nitrofurantoin** - Metronidazole >> dark urine "
122. Drugs are stored in the body in? (fat & protein) ولو مش موجود بيقتا fat only
123. If drug has the same active ingredient like other drug but not contain the same inactive ingredients?
(Pharmaceutical Equivalent)
124. **Enkephalins** ? are peptides have **same action of morphine**
125. The ethical principle of veracity الصدق requires that? (we act with honesty , without deception خداع)
126. Principle of non-maleficence requires that pharmacist? (do goods to patients, placing Pt benefits above all else)
127. Style of management in which the owner of pharmacy emphasizes the development of detailed policies and written procedures for employees to observe at all times is referred to as? (bureaucratic)
128. Pt is purchasing sublingual Nitroglycerin tablets, should be told to store the medication?
(in amber glass bottle with metal cap) N.B amber glass in USP : Protect from light
ولو مقالش في USP تبقا الاجابه الصح هي Light resistant container
129. **Estrogen gluconate** is taken? **Orally**
130. **Hydroxyurea** is? **antineoplastic** (anti-cancer)
131. Pharmacist responsibility in hospital? (deal with drug interactions)
132. Plasma concentration of drug in all body is? (Distribution rate)
133. About steady state concentration during IV administration?
directly proportional to infusion rate & inversely proportional to total body clearance
134. To compare between 2 drugs, use? (pharmacokinetic parameters and pharmacokinetic parameters)
135. The 5 types of WBCs? neutrophils, eosinophils, basophils, lymphocytes, and monocytes
136. Mizolastine ? Non-sedating antihistamine
137. The most common disintegrator in compressed tablet is? (Starch)
138. Gums are used in tableting primarily as? (Binding agents)
139. Why Solid dosage forms are better than solution dosage forms? (accurate - easy to handle - more stable)
140. Liquid dosage form differs from solid in? (ease to administration)
141. Most described dosage solid form? (tablet)
142. Arrangement of electromagnetic waves in an increase ranking in air? Alpha - Beta - Gamma
143. Examples of electromagnetic waves? (X-ray and Gamma ray)
144. **Indapamide** is **Diuretic**, is used in? **Essential hypertension** الالهه - pulmonary edema
145. Hypertonic solutions can be adjusted by? (make dilution by add more solvent)
146. Enterohepatic recycling (EHR) is a feedback mechanism resulting from the combined roles of the liver and intestine. EHR begins with drug absorption across the intestine into the portal circulation, followed by uptake into the hepatocytes. EHR depends on? **Dosage form** - **Extent of drug passed in feces** - **Gall bladder state**
147. Drugs show **multidrug resistance**? Anti-biotics & Anti-cancer
148. **Miscible liquids** means those which can mix easily with or without stirring
which are least likely to be miscible? (polar + non-polar)

149. The ability of liquid to dissolve in another liquid is called.....? (Miscibility)
150. Similar properties between solution and suspension :
Both components be separated from each other by physical processes - both are composed of 2 or more components
151. In treatment of osteoporosis, hormone replacement therapy (HRT) is used when other ttt fail
152. Side effect of Norepinephrine ? (ischemic damage due to vasoconstriction and tissue hypoxia)
153. Pharmacological property of amphetamine ? (release the stored Norepinephrine)
154. Diazoxide : is used to treat low blood sugar (hypoglycemia)
S.E ; Tachycardia - Hyperglycemia - Hyperuricemia No diuresis
155. **Bretylium** is an antiarrhythmic agent. It blocks the release of noradrenaline from nerve terminals. In effect, it decreases output from the peripheral sympathetic nervous system ,
Cause **Hypotension** due to blockage of different limb baroreceptor reflex
156. Which decrease the exposure to radiation? Wrong : decrease the activity of radiation person
correct (increase distance from radiation source - put shelves - out from radiation place)
157. Drugs have different crystal structures so different in? Polymorphism
158. The most potent anti-inflammatory corticosteroid systemically ? (Dexamethasone)
159. Suspension eye drop differ than ophthalmic solution in? (less commonly used & used for insoluble drugs)
160. **Tetracaine** ? neuromuscular blocker , most choice in **spinal anesthesia**
161. Most common neuromuscular used in renal and hepatic failure? **Atracurium**
" atracurium is a skeletal muscle relaxant **used** in addition to general anesthesia "
162. Michaelis–Menten equation is enzyme kinetics law
163. **Dobutamine** ? is used in **cardiac surgery** , used in the treatment of cardiogenic shock and severe heart failure. It may also be used in certain types of cardiac stress tests
164. Controlled released drug delivery depend on ? (ready programmed & no influence of the body fluid)
165. Examples of anti-cholinergic ? atropine - hydroatropine - Ipratropium - benztropine Not mebeverine
"mebeverine is used to alleviate the symptoms of irritable bowel syndrome , It relaxes the muscles in and around the gut
166. Example of pathological toxicity ? (hepatic necrosis from acetaminophen = Paracetamol)
167. Anti-depressant helps in stop smoking? **Bupropion** " avoid using in Seizure "
Bupropion is dopamine/norepinephrine reuptake inhibitor is used in smoking cessation
168. **Bupropion** is contra-indicted in pregnancy
169. which drug causes weight loss ,may be used for fat elder patient that have depression? **Bupropion**
170. **Nortriptyline** ? is TCA used as OFF-LABEL in smoking cessation
171. **CHAMPIX** ? Varenicline : is partial nicotine agonist used in smoking cessation
172. Amount of water in adult male is 60 % and in adult female is 55 %
173. TTT of **hepatitis C genotype 1** = **Hb1genotype** hepatitis ? (interferon and Ribavirin)
174. Metabolism in intestine? (hydrolysis)
175. Anti-epileptic is used to treat absence seizures ? (**Ethosuximide**)
176. DOC for anemic patient refuses to take injection? (**Oral Ferrous gluconate**) N.B; iron sucrose is injection
177. TTT of **Megaloblastic anemia** ? (folic acid / Cyanocobalamin) N.B Cyanocobalamin is Vit B12 , folic is Vit B9
178. TTT of **Pernicious anemia** ? (Vit B12 only)
179. The most commonly method used in the sterilization in our society? (Autoclave) لو ملفتهاش اختار (dry heat)
180. Small group of medications in any health organization that medical staff deal with them in caution and their loss from the place cause very serious problem so there is special way to store and dispense them? (High alert drugs)
181. Which is contra-indicated to all vaccines? (CD less than 200)
182. Which prevents neural tube defects "birth defect"? (Folic acid)
183. Why creatinine is used as indicator for renal function? (it's bound to protein that is only excreted by kidney)
184. Linear pharmacokinetics = First order = clearance not changed Non Linear = Zero order
185. Cockcroft-Gault equation is used for glomerular filtration and is indicated for...? (**chronic = bilateral renal failure**)
186. Drug clearance ? (elimination of drug from the body)
187. **Cholestyramine** ? used to lower high levels of cholesterol **hypercholesteremia** in the blood, (lower LDL)
N.B ; **Simvastatin** is used to treat **hyperlipidemia**
188. Which may cause acute renal failure ? (IV radiological substance)

189. What is effect of **obesity** on absorption of lipid soluble drug? **No effect on absorption but increase distribution volume**
190. Primidone is prodrug of Phenobarbitone "is a long acting barbiturate" , used as anti-epileptic
191. Baby with positive RSV test "Respiratory syncytial virus", chronic lung disease, intervention? **IV fluids and supportive care**
192. MOA of **Bethanechol** ? (Selective muscarinic agonist) used in TTT of treat certain bladder problems
193. **First pass effect?** is a phenomenon of drug metabolism whereby the concentration of a drug is greatly reduced before it reaches the systemic circulation ,, blood that perfuse virtually all gastrointestinal tissue passes through the liver by means of the hepatic renal vein
194. **Toxiderm ?** the syndromes are caused by toxin
195. T1/2 in first line is? **0.693 K** PH measures? (Acidity)
196. If drug is eliminated by first order elimination , what determines when will it reach steady state? (Half-life)
197. Which drug shows **Penicillinase resistance** ? (**Flucloxacillin = Floxacillin**)
198. Acc to therapeutic index = therapeutic ratio , the larger therapeutic index the drug is safer
199. Drug of choice of AIHA autoimmune **hemolytic anemia** ? (**Corticosteroid or Rituximab**) + folic acid / iron
N.B ; Rituximab is Effective in case of resistance to corticosteroid and in case of pediatric cold agglutinins
200. Studies in which data is collected from different studies? (**Meta-analysis**) or (**Systematic review**)
201. Which cardiac glycoside **doesn't occur naturally?** (**Amrinone**)
202. When you say on two drugs have the same bioequivalence? (Pharmacokinetics parameters) ADME
203. MOA of **Isoprenaline** ? (**Non-selective agonist**) used in treatment of **bradycardia**
204. **Aspartame** is added to some preparation as? (sweetening agent)
205. Patient with high level of glucose and his weight is 103 Kg , HbA1C is 9 so he will take? (Metformin) **عشان الوزن الزايد**
206. To avoid acute renal failure? (maintain hydration)
207. Alpha 2 agonist decreases hypertension Ex; Clonidine and Methyldopa
208. Drugs cause heartburn ? **Potassium supplement** as KCl - iron supplement - antibiotics - oral bisphosphonate
209. Ophthalmic preparations shouldn't have preserve **خاليه من المواد الحافظه**
210. **Alteplase** ? is used in **acute coronary syndrome**
211. ACEI ; convert angiotensin 1 to potent vasoconstrictor angiotensin 2
212. Drugs cause hepatotoxicity? Paracetamol - ketoconazole - rifampicin - quinolones
213. Drugs is used for TTT of premature Ejaculation ? **Dapoxetine**
214. Ticagrelor "non-thienopyridine" reversible inhibit of P2Y12 receptor , provide variable anti-platelet effect
215. Which one in IV admix is ISO class 5 ? Cleanroom
216. Live vaccine and another inactive , taken immediately
217. Case of knee replacement , dose of heparin is 40 mg once daily
218. Man taking Warfarin should? take green leaf after 4 days
219. Cardiac enzyme used in diagnosis of heart attack? **troponin**
220. Which prevent bone fracture in osteoporosis? **Ibandronate**
221. Case lab result all normal except Mg , which drug causes this? Gaviscon
222. Medications are common causes of both acute and chronic congestive heart failure? Anti-cholinergic
223. Female patient with HTN and has history of epileptic attack, she has depression, best anti-depressant? **Paroxetine**
224. TTT of **Methemoglobinemia** MMGE? **Methylene blue** 1-2 mg/Kg **يرفع نسبة الهيموجلوبين**
225. Morphine extra dose to decrease pain? 10 mg
226. What is avoided during using Methotrexate? Aspirin
227. Fat soluble vitamins K-E-D-A are important for? Liver
228. q.h.s = at bedtime
229. Child with hyperactivity and can't do homework should take...? **Methylphenidate** extended release once daily

دي تجميعه كل الكيزر و الاساله كلها من ال ٤ ملفات ملف ال ٧٠٠ و ٣٣٠ و ٣٨٠ و ملف صغير ١٠ صفح بعض الزملاء اضافوه اسالته مهمه لسالك بس ملف المساءل ومتقلقوش بتيجي سهله جدا معظمها طرفين في وسطين ومش بيجيلنا مسائل طويله احنا مش بندخل بورقه وقلم زي زملانا في امتحان السعوديه بتجيلنا خطوه واحده او اثنين مش اكثر باذن الله وربنا يوفق الجميع

مش محتاج من اي حد غير دعوة حلوة وربنا يوفق الجميع اللهم امين