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MCQs in Cardiology

for MD and DM Students



Akash Jain
Prashuka Jain

JAYPEE

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CHAPTER

23 Cardiovascular Drugs

QUESTIONS

1. Which of the following ACE inhibitors can be used in cirrhosis?
a. Lisinopril
b. Ramipril
c. Enalapril
d. Fosinopril

2. Ivabradine is used in all of the following, except:
a. CHF
b. Second line for angina
c. AF with FVR
d. Inappropriate sinus tachycardia

3. Warfarin effect is potentiated by all of the following, except:
a. Myxedema
b. CHF
c. Renal failure
d. Alcohol

4. Digitalis toxicity is characterized by all of the following, except:
a. Bidirectional VT
b. PAT with valuable block
c. Regularization of AF
d. Ventricular trigemini

5. Pharmacological cardioversion in 60-year-old female with AF and EF of 30% should be done by which of the following?
a. Amiodarone
b. Sotalol
c. Procainamide
d. Ibutilide

6. Drug which is given 4 hourly with t½ 4 hours will take how much time to reach steady state?
a. 20 hours
b. 48 hours
c. 4 hours
d. 8 hours

7. Which of the following drug does not exacerbate CHF?
a. NSAIDs
b. Aspirin
c. Thiazolidinedione
d. Trastuzumab

8. Idarucizumab is antidote for which of the following?
a. Apixaban
b. Rivaroxaban
c. Dabigatran
d. Edoxaban

9. Which of the following is true regarding ticagrelor?
a. Dyspnea is seen due to airflow limitation in PFT
b. No dose reduction is required in elderly
c. More efficiency with aspirin 325 mg dose
d. Dose reduction is not required in renal dysfunction

10. Which of the following drugs can be used with sotalol?
a. Quinidine
b. Dofetilide
c. Flecainide
d. Amiodarone

11. All of the following are true regarding drug interactions, except:
a. Rifampicin decreases verapamil effect
b. Amoxicillin decreases digoxin effect
c. Warfarin dose decreases with amiodarone
d. Diclofenac decreases effect of CCB

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12. Treatment of cocaine-induced vasoconstriction is:
a. Phentolamine
b. Labetalol
c. Urapidil
d. Nicardipine

13. Most potent vasoconstrictor in humans is:
a. ACh
b. Bradykinin
c. Endothelin
d. Adenosine

14. All of the following can be used in patient with planned thrombolysis, except:
a. Aspirin
b. Clopidogrel
c. UF heparin
d. Eptifibatide

15. A drug with t½ 5 hours given every 5 hourly will reach steady state in:
a. 4 hours
b. 25 hours
c. 48 hours
d. 72 hours

16. Which of the following is a wrong match?
a. CYP2D6—propafenone
b. CYP3A4—pravastatin
c. CYP2C9—warfarin
d. CYP2C19—omeprazole

17. Mechanism of action of fibrates are all, except:
a. Mild inhibition of HMG-CoA reductase
b. Increase reverse cholesterol transport
c. Increase hepatic intake of FA
d. Increase activity of lipoprotein lipase

18. Which of the following is least common associated with class I antiarrhythmic drugs?
a. Monomorphic incessant VT
b. In AF patient, propafenone increases VR
c. AF with antidomic conduction over accessory pathway increases
d. TDP

19. A diabetic male with creatinine clearance of 25 mL/min came to emergency with dyspnea and HR of 100 beats/min. BP was 100/70 mm Hg. Diagnosis of pulmonary embolism was made based on echocardiography and CTPA. Which of the following anticoagulants should be given?
a. Enoxaparin
b. IV UFH
c. Oral apixaban
d. IV fondaparinux

20. G protein-coupled receptors are all of the following, except:
a. Endothelin
b. Epinephrine
c. Prostaglandin
d. Platelet-derived growth factor

21. True about soluble cGMP activator are all, except:
a. Can be used with PDE inhibitor
b. Riociguat is first of this group
c. Act by stimulating cGMP without NO
d. Cinaciguat has shown to improve hemodynamics in AHF

22. Mortality benefit seen with which of the following drugs?
a. Nesiritide
b. Sacubitril
c. Ivabradine
d. Aliskiren

23. Sulfa allergy is seen with all of the following drugs, except:
a. Ethacrynic acid
b. Bumetanide
c. Torsemide
d. HCTZ

24. All of the following are true about HIT, except:
a. IV line flushed with heparin cannot be used in HIT
b. Heparin can be used after 2 years if antibody is negative
c. Skin necrosis at site of infusion is suggestive of HIT
d. Fondaparinux can be used in patient with liver dysfunction

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25. Statin rhabdomyolysis is increased by all of the following, except:

a. Carbamazepine
b. Clarithromycin
c. Imatinib
d. Nelfinavir

26. All of the following statements are true regarding drug therapy, except:

a. Digoxin level measured after at least 6–8 hours of therapy
b. Digoxin is a substrate for P-glycoprotein for efflux from tissue
c. Amiodarone volume of distribution is more than total body water content
d. Loading dose is used for early steady state

27. Indication of spironolactone in AMI are all, except:

a. Diabetes
b. Intolerance to ACE inhibitor
c. Heart failure
d. EF 40%

28. True regarding ACE inhibitor-induced angioedema are all, except:

a. Not related to dose
b. Involves nondependent area
c. ARB cannot be given
d. Seen in 0.5–1% cases

29. All of the following statements are true regarding FFR, except:

a. Adenosine 1 mg is used to assess FFR
b. Can be used to assess severity of tandem lesion
c. Noninvasive FFR can be done by CT angiography
d. Decreased in myocardial infarct

30. Antibiotics are not indicated in:

a. Severe traveler diarrhea
b. Antibiotic-induced diarrhea
c. Non-*Salmonella* diarrhea
d. Febrile dysentery

31. All of the following statements are true about P-glycoprotein, except:

a. Amiodarone inhibits quinidine/verapamil/cyclosporine/itraconazole/erythromycin
b. Ritonavir induces above drugs
c. Coded by *ABCB1* gene
d. Present in blood–brain barrier

32. Which of the following is a wrong match?

a. Thiamine—confabulation
b. Vitamin A—parotid enlargement
c. Mg^{2+}—tetany
d. Zn—Hypogeusia

33. Hypermagnesemia is associated with all of the following, except:

a. Hypercalcemia
b. CHB
c. Decrease tendon reflex
d. CKD is the cause

34. Diuretic resistance is caused by all of the following, except:

a. Hypokalemia
b. Indomethacin
c. Enalapril
d. Dehydration

35. All of the following statements are true regarding lignocaine, except:

a. Not used in SVT
b. More effective in ischemic myocardial tissue
c. Hyperkalemia decrease its effect
d. Not effective in NYHA-IV

36. Which of the following is true regarding dabigatran over warfarin in mechanical valve?

a. Decrease bleeding
b. Increase thromboembolic risk
c. Decrease mortality
d. <50 ng/mL effective

37. Drugs metabolized by CYP2D6 are all, except:

a. Metoprolol
b. Simvastatin
c. Clopidogrel
d. Codeine

38. All of the following statements are true about time in therapeutic range, except:

a. Increased TTR leads to increased bleeding risk
b. Increased TTR decreases mortality
c. Increased TTR increases risk of stroke
d. Monitoring of warfarin is needed

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39. Least arrhythmogenic antidepressant is:
a. Doxepin
b. Duloxetine
c. Imipramine
d. Amitriptyline

40. AAA expansion is prevented by all, except:
a. BB
b. Colchicine
c. Doxycycline
d. Losartan

41. Which of the following is a wrong match?
a. ACE inhibitor—oligohydramnios
b. Amiodarone—neonatal goiter
c. BB—teratogenicity
d. Aspirin—premature ductal closure

42. Which of the following is false regarding hyperuricemia?
a. Febuxostat—nonpurine selective inhibitor of xanthine oxidase
b. Target <6 mg/dL
c. Allopurinol <300 in CKD patient
d. APEX trial—majority of patient on febuxostat achieved target earlier as compared to allopurinol

43. All of the following are true regarding antianginal side effects, except:
a. Ranolazine—increased QT
b. Trimetazidine—FA inhibitor with increase in blood sugar in diabetics
c. Perhexiline—inhibit FA oxidation
d. Ivabradine—disturbed night vision

44. All of the following are direct thrombin inhibitor, except:
a. Fondaparinux
b. Bivalirudin
c. Apixaban
d. Lepirudin

45. True about adenosine are all, except:
a. Negative dromotropic
b. Decrease automaticity
c. Bronchoconstriction
d. Renal vasodilation

46. Which of the following drugs is avoided in lactation?
a. Metoprolol
b. Propranolol
c. Atenolol
d. Labetalol

47. All of the following drugs cause phosphine effect, except:
a. Ivabradine
b. Sildenafil
c. Tadalafil
d. Nicorandil

48. All of the following are true regarding hypokalemia, except:
a. Insulin use
b. Licorice toxicity
c. Acute theophylline toxicity
d. Acidosis

49. Hypothermia is precipitated by all of the following, except:
a. Alcohol
b. Shapiro syndrome
c. Nitroprophenol
d. Hypoglycemia

50. Which of the following is associated with trimethylamine N-oxide?
a. Atherosclerosis
b. DCMP
c. Congenital heart disease
d. HCM

51. True regarding diuretics are all, except:
a. Increases chloride excretion
b. Activates RAS in normal person
c. Bumetanide is used if sulfonamide allergy
d. IV infusion can be used in refractory HF

52. All are true about HIT, except:
a. PF4 antibody is diagnostic
b. Warfarin should be used for 6 months
c. Fondaparinux can be used in patient with normal renal function
d. More in surgical than medical patient

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53. Dabigatran effect is best monitored by:
a. PT
b. aPTT
c. Bleeding time
d. Prothrombinase inactivating clotting time

54. Vitamin D is not associated with which of the following?
a. DM
b. Atherosclerosis
c. Bradyarrhythmia
d. CHF

55. Least cardiotoxic NSAID is:
a. Naproxen
b. Diclofenac
c. Etoricoxib
d. Rofecoxib

56. (P_AO_2–P_aO_2) gradient increases in all of the following, except:
a. Barbiturate overdose
b. Amiodarone
c. V/Q mismatch
d. Intracardiac shunt

57. Pulmonary vasoreactivity test is done by all of the following, except:
a. Oxygen
b. NO
c. Adenosine
d. Isoprenaline

58. Which of the following is a wrong match?
a. ACh causes vasoconstriction in absence of endothelium
b. Adenosine causes vasodilation even in absence of endothelium
c. Thromboxane causes constriction as normal response in coronaries
d. None of the above

59. Which of the following is a wrong match?
a. Omecamtiv—cardiac myocyte activator
b. Beta-2 receptor increases in HF
c. Beta arrestin—antiapoptotic receptor
d. Beta blocker leads to lipolysis on chronic use

60. All are true about inhaled NO, except:
a. Selectively decrease PVR
b. Metabolism by liver
c. Withdrawal causes immediate rebust
d. Causes methemoglobinemia

61. Which of the following is a wrong match about toxicity?
a. Manganese—parkinsonism
b. Boron—testicular atrophy
c. Chromium—impaired glucose tolerance
d. Fluoride—osteosclerosis

62. All of the following are correctly matched antidotes, except:
a. Acetaminophen—NAC
b. Methemoglobinemia—amyl nitrite
c. INH—pyridoxine
d. Ethylene glycol—fomepizole

63. Anaphylactic reaction in beta blocked patient is best managed by:
a. Glucagon
b. Vasopressin
c. Dopamine
d. Salbutamol

64. All of the following drugs are diabetogenic, except:
a. Atenolol
b. Ranolazine
c. Thiazide
d. Atorvastatin

65. All of the following are true regarding ticagrelor, except:
a. Increases creatinine
b. Should not be given in sick sinus syndrome with pauses
c. Uricosuric
d. Increases bleeding risk with ketoconazole

66. Cardiovascular manifestation of adenosine are all, except:
a. Coronary steal
b. Renal vasodilation
c. Decreases sinus automaticity
d. Negative dromotropic effect

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67. Activated charcoal is useful in ingestion of:
a. Liquid ammonia
b. Ethanol
c. Phenobarbital
d. Arsenic

68. Hypertonic solution is:
a. 0.9% NaCl
b. 2.5% dextrose in water
c. 5% dextrose in water
d. 5% dextrose in water + 0.9% NaCl

69. All of the following are true about dabigatran, except:
a. Amiodarone increases plasma level quinidine/verapamil/dronedarone
b. Decrease MI as compared to warfarin
c. Prodrug t½ 12–17 hours
d. Better absorbed at low pH

70. True about ranolazine are all, except:
a. Decreases arrhythmia
b. Antianginal without hemodynamic change
c. Increases HbA1c
d. Block late Na^+ channel

71. Dronedarone is contraindicated in all, except:
a. CHF—NYHA III/IV
b. Permanent AF
c. History of TIA
d. Hepatic dysfunction

72. All of the following drugs increase defibrillation threshold, except:
a. Dofetilide
b. Disopyramide
c. Flecainide
d. Amiodarone

73. True about RAS inhibitor are all, except:
a. Increases renin after ACE inhibitor
b. ACE inhibitor is not useful in low-renin HTN
c. Normal/Low PRA in most hypertensive
d. Local RAAS mediates tissue remodeling independent of RAAS

74. Difference between bosentan and ambrisentan are all, except:
a. Similar to bosentan
b. Selective EA blocker
c. Pedal edema is common
d. Hepatic dysfunction is common

75. Weight gain is caused by all of the following drugs, except:
a. Chlorpromazine
b. Meglitinide
c. Glitazone
d. Pramlintide

76. Digitalis should be given cautiously in all of the following conditions, except:
a. Amyloid
b. Hypothyroid
c. Hyperchlorhydria
d. Advanced age

77. All of the following are proarrhythmic drugs which can cause QT prolongation, except:
a. Amiodarone
b. Cisapride
c. Terfenadine
d. Ciprofloxacin

78. All of the following statements are true, except:
a. Dronedarone is effective for VT
b. Ranolazine reduces NSVT in NSTEMI
c. Ivabradine is inappropriate sinus tachycardia
d. Vernakalant is for AF

79. Dose of which of the following beta blocker is not affected in renal failure?
a. Carvedilol
b. Sotalol
c. Nadolol
d. Atenolol

80. Progression of aortic dissection is decreased by:
a. Amlodipine
b. Eplerenone
c. Losartan
d. Tadalafil

81. Liver failure is associated with all of the following drugs, except:
a. Dabigatran
b. Statin
c. Bosentan
d. Dronedarone

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82. True regarding furosemide are all, except:
a. Increases chloride excretion in urine
b. Activates RAAS in noncongestive HF
c. Increases dose required in renal failure
d. Sulfa allergy

83. All of the following matches are correct, except:
a. Cilostazol—adenosine reuptake inhibitor
b. Cangrelor—IV P2Y12 inhibitor
c. Ticagrelor—reversible P2Y12 inhibitor
d. Prasugrel—ADP receptor thienopyridine inhibitor

84. True about pitavastatin are all, except:
a. CYP3A metabolism
b. Decreases interaction
c. Increases HDL
d. Decreases myopathy risk

85. All are true about levosimendan in AHF, except:
a. Hypotension on loading dose
b. Increase AF risk
c. Better than dobutamine
d. Grossly decrease BNP level

86. All of the following drugs are used in pharmacological stress test, except:
a. Adenosine
b. Dipyridamole
c. Regadenoson adenosine
d. Aminophylline

87. Amiodarone pulmonary toxicity risk increases with all of the following, except:
a. Increased baseline DLCO
b. Increased dose
c. Increased desethyl amiodarone level
d. Young age

88. Which of the following is incorrect about cocaine-associated MI?
a. Low risk of complication of MI during hospital stay
b. Ischemia after 4–6 hour after abuse
c. MOA—vasoconstriction and sympathetic surge
d. Not related to dose/route of intake/frequency

89. Which of the following is a wrong match?
a. Pioglitazone—PPAR-γ agonist
b. Vildagliptin—DPP-4 inhibitor
c. Liraglutide—amylin analog
d. Repaglinide—nonsulfonylurea secretagogue

90. Digoxin effect is potentiated by all of the following, except:
a. Bisoprolol
b. Amlodipine
c. Atorvastatin
d. Tetracycline

91. Pharmacological cardioversion in 60-year-old female with EF 30% should be done with:
a. Ibutilide
b. Sotalol
c. Amiodarone
d. Procainamide

92. Which of the following is incorrectly matched regarding metabolism?
a. Metoprolol—CYP2D6
b. Simvastatin—glucuronidation
c. CCB—CYP3AY
d. Digoxin—P-glycoprotein

93. Which of the following is correctly matched?
a. Ranolazine—calcium sensitizer
b. Ivabradine—Ica blocker
c. Rolofylline—A1 agonist
d. Torcetrapib—CTEP

94. All of the following are true about dabigatran, except:
a. RELY trial proved noninferiority than warfarin in AF
b. Amiodarone decreases level
c. Contraindicated with quinidine
d. It is a prodrug

95. Ischemic preconditioning is attenuated by:
a. Nicorandil
b. Glyburide
c. Sildenafil
d. All of the above

96. Alternative medicine that can be given in HF patient is:
a. Ginkgo biloba
b. Terminalia arjuna
c. Neem extract
d. St John's wort

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97. **All of the following drugs increase risk of diabetes, except:**
a. Atorvastatin
b. Losartan
c. Atenolol
d. Thiazide

98. **Drug dose that needs reduction in renal failure are all, except:**
a. Metoprolol
b. Nifedipine
c. Sotalol
d. Lidocaine

99. **Which of the following drugs should not be used in patient of HIT with platelet count of 50,000/mL?**
a. Warfarin
b. Lepirudin
c. Disopyramide
d. Argatroban

100. **Which of the following is a proven treatment?**
a. Immunoglobulin in myocarditis
b. Bosentan in Eisenmenger
c. Prasugrel in chronic stable angina
d. Low-dose dopamine in renal failure

101. **Which of the following is a wrong match?**
a. 201Th—myocarditis
b. 67Ga—sarcoidosis
c. 99Tc—osteomyelitis
d. MIBG scan—pheochromocytoma

102. **Which of the following statements is not true about adenosine?**
a. Can cause chest pain
b. Can cause VF/VT
c. Taken up by RBC and endothelial cell
d. Pulmonary vasoconstriction

103. **Bromocriptine is used in all, except:**
a. Idiopathic pulmonary fibrosis
b. Type 2 diabetes mellitus
c. Peripartum CMP
d. Neuroleptic malignant syndrome

104. **Best anticoagulation to be used in a CAD patient with HIT during PCI is:**
a. Bivalirudin
b. Abciximab
c. UFH
d. LMWH

105. **True about aliskiren are all, except:**
a. Inhibit angiotensin I to angiotensin II
b. Less angioedema
c. Approved for HTN
d. Additional decrease in proteinuria with losartan

106. **All of the following drugs increase uric acid, except:**
a. Losartan
b. Thiazide
c. Contrast agent
d. None of the above

107. **Which of the following drug is safe in pregnancy?**
a. Telmisartan
b. Torsemide
c. Bosentan
d. Statin

108. **HMG-CoA inhibitors inhibits the formation of:**
a. Mevalonate
b. Farnesyl pyrophosphate
c. Squalene
d. HMG pyrophosphate

109. **Which of the following drug is effective in low GFR?**
a. Metolazone
b. Indapamide
c. Chlorothiazide
d. Chlorthalidone

110. **All of the following drugs decrease flushing caused by niacin, except:**
a. Aspirin
b. Laropiprant
c. Genfibrozin
d. All of the above

111. **True about dronedarone are all, except:**
a. Not contain iodine
b. Can be used in HF
c. Less liver toxic
d. More effective than amiodarone

112. **All new drugs decrease bleeding over previous ones, except:**
a. Prasugrel over clopidogrel
b. Dabigatran

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c. Bivalirudin
d. Fondaparinux

113. True about anthracycline toxicity are all, except:
a. Myocardial biopsy is needed to confirm
b. Greater chances with increased dose and frequency
c. Greater compensating dilation and hypertrophy
d. Hyperadrenergic state

114. True about lidocaine are all, except:
a. Not effective in supraventricular arrhythmia
b. More effective than procainamide
c. Hypokalemia causes less effect
d. No major hemodynamic effect

115. Which prophylaxis has maximum recurrence?
a. Sulfonamide
b. Oral penicillin
c. Benzathine penicillin
d. Cephalexin

116. Which of the following is true about dobutamine?
a. Selective beta-2 agonist
b. May increase oxygen demand
c. Weekly pulse therapy improves mortality
d. May decrease AV conduction in AF

117. Which of the following is a contraindication for heparin?
a. Septic thrombophlebitis
b. After tPA in 24 hours in stroke
c. LV thrombus
d. Before elective cardioversion

118. Which of the following is false regarding COX inhibitor?
a. COX-1 is constitutive active
b. COX-2 inhibitors are less toxic
c. COX-3 inhibited by paracetamol
d. Fish oil acts via COX pathway

119. Which of the following is a wrong match?
a. Vasovagal syncope—fluid restriction
b. Carotid sinus hypersensitivity—PPI
c. Ménière's disease—diuretics
d. Glossopharyngeal neuralgia—carbamazepine

120. True regarding bivalirudin during PCI given in comparison with heparin + abciximab are all, except:
a. Decreases bleeding
b. Decreases stent thrombosis
c. Decreases HIT
d. Decreases 30-day mortality

121. Diuretic resistance is due to all of the following, except:
a. Decrease in flow to collecting duct
b. Vasodilator with hypotension
c. More with infusion than intermittent dose of diuretics
d. Increase in salt intake

122. Lp(a) is decreased by:
a. Atorvastatin
b. Rosuvastatin
c. Fenofibrate
d. Gemfibrozil

123. All of the following are correctly matched, except:
a. Ranolazine—inhibit late calcium channel
b. Bivalirudin—direct thrombin inhibitor
c. Fondaparinux—Xa inhibitor
d. Tadalafil—PDE5 inhibitor

124. Reteplase is contraindicated in stroke in all of the following, except:
a. Lumbar puncture <7 day
b. MI <3 months
c. Rapidly improving symptoms
d. Patient on anticoagulant

125. Aspirin is indicated in all of the following, except:
a. BT shunt
b. Postballoon coarctoplasty for CoA
c. ASD device closure
d. Kawasaki disease

126. A patient with chronic angina underwent PCI. All of the following will reduce mortality, except:
a. Clopidogrel
b. Aspirin
c. Eptifibatide
d. Statin

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127. True regarding dose of thrombolytic therapy in PE are all, except:

a. rtPA 100 mg in 2 hours
b. STK 1.5 MU over 2 hours
c. Urokinase 4,400 bolus then 4,400/kg/h for 12–24 hours
d. Heparin 5,000–10,000 U bolus then according to body weight 80 U/kg to 18 U/kg/h

128. Beta blocker to be altered in renal failure are all, except:

a. Sotalol
b. Atenolol
c. Carvedilol
d. Nadolol

129. All of the following drugs have to be avoided in elderly, except:

a. Amitriptyline
b. Indomethacin
c. Oxazepam
d. Propoxyphene

130. True regarding amphotericin B are all, except:

a. Not altered in both renal and hepatic
b. Effective against toxoplasmosis
c. Liposomal amphotericin B is not associated with febrile reaction
d. Can cause renal tubular acidosis

131. True regarding anticoagulation are all, except:

a. Rifampicin increases effect of warfarin
b. Dysfibrinogenemia increases clinical bleeding
c. Thrombolytics increases PT
d. Lupus anticoagulant increases PT without bleeding

132. All are true regarding methicillin-sensitive *Staphylococcus aureus* endocarditis, except:

a. Vancomycin dose 3 g/day
b. Gentamycin is used as synergistic action for 3–5 days
c. Beta-lactam is preferred over vancomycin
d. Given for 6 week, if disease >3 months duration

133. IV phenylephrine decreases all of the following, except:

a. Murmur of TOF
b. AS murmur
c. HR
d. Late systolic murmur of MVP

134. Hyperkalemia is caused by all of the following, except:

a. NSAIDs + ACE inhibitors
b. Hyperthermia
c. Rhabdomyolysis
d. Pernicious anemia treatment with vitamin B12

135. Hypokalemia is caused by all of the following, except:

a. Digoxin toxicity
b. Beta agonist
c. Amphotericin
d. Hypomagnesemia

136. Dopamine causes tachycardia by:

a. Reflex tachycardia
b. Splanchnic and renal vasodilation
c. Direct dopaminergic present in heart
d. Increased cardiac norepinephrine

137. Drug not effective in resuscitation of postcardiac transplant in a patient with cardiac arrest is:

a. Atropine
b. Epinephrine
c. Amiodarone
d. Lidocaine

138. All of the following statements are true, except:

a. Lidocaine loading dose decreases in CHF
b. Sotalol dose decreases in hepatic dysfunction
c. Amiodarone serum level is not helpful in toxicity
d. Lithium excretion depends on renal blood flow

139. An elderly lady on warfarin for AF develops headache and confusion. CT shows ICH with INR of 5.4. Patient is planned for emergency surgery. What is the appropriate step to reverse warfarin effect?

a. FFP
b. Vitamin K
c. Clotting factor concentrate
d. Packed RBC

140. Treatment of warfarin-induced skin necrosis is:

a. Heparin
b. Vitamin K
c. Protein C
d. Bivalirudin

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141. A patient presents with seizure and vomiting is diagnosed to have TCA overdose with wide QRS of 0.14 sec and HR >100 beats/min. Gastric lavage was done. What is the next step in management?

a. IV lidocaine
b. Amiodarone
c. Phenytoin
d. $NaHCO_3$

142. Which of the following is a side effect of clopidogrel?

a. Post CABG infection
b. Aspirin resistance
c. Nephropathy
d. Coronary artery aneurysm

143. Dopamine receptors are involved in all of the following, except:

a. Migraine
b. Preeclampsia
c. NMS
d. Renal vasodilation

144. Adenosine is preferred over verapamil in SVT in all of the following, except:

a. Patient on theophylline
b. Neonate
c. HF
d. Patient on BB

145. All of the following are true regarding ranolazine, except:

a. Increase QT
b. Inhibit delayed Na^+ channel
c. Found useful in unstable angina
d. Does not change HR

146. Which of the following is a part of blood–brain barrier?

a. P-glycoprotein
b. CYP2C19
c. Endothelium permeability
d. N-acetyl transferase

147. All of the following are true about adiponectin, except:

a. Anti-inflammatory
b. Act by AMP kinase
c. Produced by adipocytes
d. Increase in metabolic syndrome

148. Which of the following drug is used for prevention of TDP?

a. Propranolol
b. Amiodarone
c. Quinidine
d. Terbutaline

149. Statins are contraindicated in all of the following, except:

a. Pregnancy
b. Liver damage
c. CK-10 times
d. CRF on HD

150. Statins increase myositis in all of the following, except:

a. Obesity
b. Fibrates
c. Renal disease
d. Elderly

151. All of the following drugs are myocardial depressant, except:

a. Ivabradine
b. Carvedilol
c. Atenolol
d. Diltiazem

152. Which of the following is a side effect of N-acetyl cysteine?

a. HTN
b. Anaphylactoid shock
c. Renal failure
d. Seizure

153. Which of the following statements is true?

a. Dronedarone does not contain iodine
b. Amiodarone decreases mortality in SCD
c. D-sotalol decreases mortality in MI
d. Dronedarone decreases serum creatinine

154. Which of the following drugs acts on DCT?

a. Spironolactone
b. Metolazone
c. Bumetanide
d. Acetazolamide

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155. Which of the following is true regarding enoxaparin?
a. Does not cause HIT
b. Partially reversed by protamine
c. Small monoclonal antibody
d. Act by inhibition of VWF

156. Which of the following drug is metabolized by CYP system?
a. Digoxin
b. Pravastatin
c. Hydralazine
d. Erythromycin

157. Which of the following drug reduces antiplatelet action of aspirin?
a. Brufen
b. Cilostazol
c. Rosiglitazone
d. All of the above

158. Ischemic conditioning is attenuated by:
a. Glyburide
b. Serotonin
c. Sildenafil
d. None of the above

159. Which of the following is wrong about abciximab?
a. It reacts with endothelial receptor
b. Long duration of actin
c. Bolus with infusion
d. It is pig-mouse chimeric antibody

160. Warfarin in first trimester causes all of the following, except:
a. Mental retardation
b. Macrosomia
c. Optic atrophy
d. Chondrodysplasia

161. Which of the following is not a side effect of bosentan?
a. Pedal edema
b. Hepatic dysfunction
c. Anemia
d. QT prolongation

162. Which of the following is not a side effect of PGE2?
a. Seizure
b. Hypotension
c. Hypothermia
d. Apnea

163. Hypocalcemia is not seen in which of the following conditions?
a. Thiazide
b. DiGeorge syndrome
c. Hyperphosphatemia
d. Respiratory alkalosis

164. Which of the following is not a treatment option for cocaine-induced MI?
a. Beta blocker
b. Diltiazem
c. Nitrate
d. Phentolamine

165. Which of the following is incorrect regarding rimonabant?
a. CB1 agonist
b. Decreases BP
c. Weight loss
d. Promotes insulin sensitivity

166. True about beta blocker in acute MI are all, except:
a. 13% decrease in mortality
b. 3% increase in HF
c. 2% increase in cardiogenic shock
d. 1% increase in cardiac rupture

167. Pergolide was withdrawn due to:
a. Valvular regurgitation
b. MI
c. Pulmonary HTN
d. Renal failure

168. Ryanodine receptor is seen in:
a. Mitochondria
b. Sarcoplasmic reticulum
c. Sarcolemma
d. Muscle

169. All of the following are true about sildenafil, except:
a. Used in PAH
b. PDE5 agonist
c. Increases cGMP
d. Causes flushing

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Akash Jain MD (Medicine) is DM Cardiology Resident at Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bengaluru, Karnataka. He completed his MBBS and MD (Medicine) from VMMC and Safdarjung Hospital, New Delhi, India. Dr Jain has authored several chapters in textbooks of medicine and cardiology and got Publications in reputed national and international journals. Also, he takes keen interest on health issues and writes columns in various newspapers.

Prashuka Jain MBBS is Fellow in Clinical Cardiology at prestigious St John's Medical College Hospital, Bengaluru, Karnataka. She completed her MBBS from Shri Guru Ram Rai Institute of Medical and Health Sciences, Dehradun, Uttarakhand, India.

Printed in India

Available at all medical bookstores or buy online at www.jaypeebrothers.com

JAYPEE BROTHERS
Medical Publishers (P) Ltd.
EMCA House, 23/23-B, Ansari Road,
Daryaganj, New Delhi - 110 002, INDIA
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ISBN 978-93-5696-175-3