

General Medicine Part-1

CVS

10

 Infective Endocarditis → C/f, Investigⁿ & Management

461 Mx of CCF, Acute left heart failure → from R. Notes

- Mx of STElevation AMI → R.B. Notes + Page Notes.

- Septic shock* → Mathew

 20 - C/f, Investigⁿ, Mx of Acute MI → Notes (R.B.).

- JNC-VII Classification of HTN - P. SW Math.

- Causes of Irregularly Irregular pulse - Notes.

- Atrial fibrillation* Causes, T/t*

- Pulsus paradoxus - R. Note

- Syncope - Mathew

- Cor pulmonale - 462 + R.B. Notes.

- aetiology, C/f & Mx, Investigation of Mitral Stenosis. R.B. Notes

- β-blockers - Notes R.B.

- Left ventricular failure & T/t.

→ MI → complication* - Notes (R.B.) 648

→ Classification of Angina pectoris, T/t of unstable Angina. → Notes R.B.

→ T/t of hypertensive urgency. -

 → Prognosis of AR, C/f.

→ Pericardial effusion - Notes (same as pericarditis)

→ C/f of Rheumatic fever, Criteria for diag. → prophylaxis from 4th

→ Cardiogenic shock - from Mathew.

→ C/f & Mx of TOF* - 4th.

→ T/t of PSVT.

R → Cardiac Tamponade - M. 540

→ Causes of secondary HTN

→ Supraventricular Tachycardia, T/t

→ Types of cardiomyopathy

→ T/t of Ventricular fibrillation, Ventricular Tachycardia

Endocrinology

- 10 → Cause, Pathophysiology, C/f, Mx of Hypothyroidism.
- Mx of Pheochromocytoma*, Investigⁿ - R.B. notes.
- ① Microvascular complications of DM.*
- TIT^{d. diag.} of hypoglycemic coma*, hyperglycemic, hyperosmolar coma
- ② C/f, investigation & Mx of Diabetic ketoacidosis**
- ③ Diff b/w hypoglycemic coma & hyperglycemic coma 984
- Myxedema - , Myxedema coma - TIT. - P-812 Mathew
- Acromegaly*, C/f
- ④ SIADH* - R.B. notes
- Hashimoto Thyroiditis - Mathew 813
- ⑤ C/f, Investigⁿ, complication & TIT of Diabetes Mellitus
- Thyrotoxicosis, Drug therapy.
- Grave's disease.
- Features of Cushing's syndrome*** - R.B. notes
- Hormones secreted by post. pituitary gland., Ant. pituitary gland.
- Criteria for Diag. of Diabetes - R.B.
- Causes & TIT of Addison's disease - R.B.
- ⑥ Thyroid function test.
- Antidiabetic Drugs.
- ⑦ Thyroiditis - R.B. notes.
- ⑧ Vasopressin.
- ⑨ Dawn phenomenon
- ⑩ Anxiety Neurosis vs hyperthyroidism
- ⑪ Metabolic syndrome
- Pheochromocytoma - Mx & investigation.
- Addison's disease → Cause, TIT
- Thyroid function test

Hematology

- Hydroxyurea, Mipha, Blomipha
- Eosplene
- Infliximab
- Actixil
- prothelone 576

- TIT of CMR
- Aplastic anemia 40X
- complication related to Blood transfusion*
- Autoimmune hemolytic anemia. 559
- C/t, Invest. & Mx of Iron deficiency anemia, causes
- TIT of Megaloblastic anaemia
- Types of Hodgkin lymphoma.
- Phlebotomy - Indications
- Invest. & Mx of sickle cell anaemia, Genetic defect
- Immune thrombocytopenic purpura (605)
- CH & TIT of AML - ACE (Anticancer Etoposide)
- Indication of Blood coagulation.
- Invest. & TIT of Thalassemia, Genetic defect - HBB gene mutation 582
- C/t & Mx of CMR 576
- Name drug & route of administration of Iron chelation therapy.
- C/t of hemolytic anemia, PBF
- on Megaloblastic anaemia → causes, Patho, Diag & TIT
- TIT of sickle cell crisis.
- Multiple myeloma - C/t & Diag. criteria. 587
- Blood component.
- TIT of anaemia of CRF.
- Causes of hemolytic anaemia.

MHR + Brucella + Leptospirosis + [Dengue + Malaria]
 IM + Plague + Typhoid + TB

Injections

- Brucellosis - P-768
- Dengue Hemorrhagic fever - Mx. Ghai - P-224
- Leptospirosis * Tlt. → 774
- Tlt of Falciparum Malaria, Vivax Malaria → Notes in Page
- Enteric fever, Diag. - 763
- Investig. in cerebral malaria, Mx, Define - From Ghai also
- Fungal infection of nails
- Fluoroquinolones * Page (Notes)
- Herpes simplex infection
- Clf & Tt of Trichomonas - 788
- Clf & Mx of Poliomyelitis * - Ghai
- Nosocomial infections
- Virus causing diarrhea
- Diag. of Leishmaniasis - 785
- Lifecycle & Tlt of Roundworms, hookworm infestation → 774 (Ghai)
- Leptos
- feco-orally transmitted disease.
- Infectious Mononucleosis - 747
- Herpes zoster
- Giardiasis → 588 (P) 417
- Causes of fever & rash * Pedia Ghai
- Tlt of Scabies
- Botulism ✓ Mx
- Rabies - PSM
- Herpetic encephalitis + Tlt
- Antifungal drugs - Notes (Page)
- CSF Dict. of Fungal meningitis
- Chloroquine - Notes (Page)
- Tlt of Cholera - P 769
- Macrolides; Adverse effect of Aminoglycosides - Notes (Page)
- Investigation of kala azar - 785
- Infectious Mononucleosis
- Subacute 15 (5M)

GI T 207

→ Acute Pancreatitis - Etiology, C/f, complication, Invest, T/t.

→ Pseudomembranous colitis - P-590 (Mathew).

→ Mx of upper GI bleeding - 569 M 717

→ Chronic diarrhoea → P-591 717

→ Peptic ulcer disease - (Notes), C/f & Mx 707

→ Malabsorption → Mathew - 582 708

→ Rx of ulcerative colitis - Notes Notes

→ Haemecemesis, causes, T/t

→ IBD - Notes

→ Whipple disease → Mathew Notes

→ PPI → Mathew

→ upper GI bleed causes → Mathew P590

→ Bleeding oesophageal varices - Notes

→ Irritable bowel syndrome → P-592. (Drugs) 717

Other topic of GI

→ causes of chronic diarrhoea* - 565 (M) 197

→ food poisoning - P-565 (M)

→ causes of chronic blood loss & mucus in stool 567 (M) 182

→ Plummer Vinson syndrome - P-571 (M) 196

→ Zollinger ellison syndrome - P-579 (M) 819

→ Coeliac disease - P-584 (M) (Notes)

→ Lactose intolerance - 587 (M) 719 → B-galactosidase

→ Giardiasis - 588 715 → nitroimidazole

→ Hydrogen breath test

→ Acute Pancreatitis → 604 807

→ GERD - 571

→ oesophagitis → 571 (Notes) (RB)

→ Splenomegaly, Hepatosplenomegaly → cause.

→ Causes of melena

→ Odynophagia → HSV, CMV, candida infections

→ T/t of H. Pylori → for 14 days

4574

Liver

- Mx of fulminant hepatitis - 363
- Hepatitis B vaccination * - Pedia (or R.B.)
- Hemolytic jaundice
- Hepatic encephalopathy - Mx + grading - R.B. not + Cf (Math)
- Liver abscess - Math. Page
- Wilson's disease, Diag. test. - 393 Math.
- Amoebic liver disease - Sx
- Hepatitis A vaccination - R.B. notes.
- Hydatid disease of liver. → Sx
- Tlt of hept. C - R.B. notes
- Chronic Active hepatitis - R.B. notes
- Biliary cirrhosis - R.B. notes
- Hepatitis B → Investigⁿ, Tlt - (R.B.)
- Liver Cirrhosis → USG finding 4 Cf - R.B. notes
- NASH - M. 399
- Non-cirrhotic portal fibrosis - M. 396
- LFT -
- Bilirubin metabolism -
- Ascites, pathogenesis, Cf, Diag, Tlt.
- Tender hepatomegaly - Mathew. 605
- Portal HTN - R.B. notes
- Chronic liver failure -
- Cullen sign, Virchow sign -
- Viral hepatitis - serological markers - R.B. notes
- Hepatic coma Tlt. -
- Liver Biopsy → indication & Cf - R.B.
- Hepatic ~~ex~~ H-Tlt of amoebiasis -
- Oesophageal Varices - R.B. notes
- Chronic hepatitis → Cf + Manag / Complicⁿ -
- Causes of Jaundice, Cf, Investigation & complications of hepatitis & Tlt of hepatic coma. →

SLE, RA, Gout

Connective tissue disorder

- Mx of Acute Gout * 670
- Disease Modifying Antirheumatic drugs *
- Investigation of SLE
- Immunomodulator drugs in RA
- Mix connective tissue disorder
- Rheumatoid Arthritis **, Pathogenesis, Diag. Tlt; complication
- Acute porphyria, Acute intermittent porphyria.
- Gout, *
- Diag. criteria of SLE.
- ARA criteria of SLE.
- Uses Bechet's Syndrome
- Cause of pain in multiple jt.
- SLE → Systemic Manifestn, Skin manifestation.
- Tlt of Myasthenia gravis.
- Causes & Tlt of recurrent muscular weakness.

Tilt of PEP

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others [Immunity + Environment.

- organophosphorus & comp. poisoning*, C/f, Δ TLT $\rightarrow$ 648
- Bioterrorism.
- $\uparrow$ Neurological complications of HIV (209)
- Snake bite poisoning, viper Bite-Mx*, C/f 98
- Post exposure prophylaxis in HIV (219)
- Angioneurotic oedema 1016
- Malignant HTN
- Critical care neuropathy
- Anaphylaxis,
- Fix drug reaction.
- Mx of Acid ingestion.
- Electrical injury
- Heat stroke
- Side effects of zidovudine.
- Alcohol intoxication, Cocaine Abuse.
- Diag. of HIV, oral manifestation of AIDS.
- Radiation hazards,
- Aluminium phosphide poisoning
- Neuropathic snake envenomation
- ART $\rightarrow$ complication, HAART.
- Kailonychia
- Benzodiazepine poisoning
- Classification of Antiretroviral drugs.
-

Met Acid, base balance

(R) Respiratory Acidosis - Pedia p. (87)

- Reye's syndrome → Pedia.
- Tumour markers.

(R) Mx of metabolic alkalosis. - Pedia

- Drugs causing osteoporosis.
- T/t of Tetany.

✓ - Metabolic acidosis. - Pedia

✓ - hyponatremia. - from Pedia Qn+Notes.

- Causes of B/L Pedal edema.
- Reflexed pain - what is
- Define Nystagmus.

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 P-115

Respiratory

Notes + P126

- Ventilator Associated Pneumonia, Community acquired Pneumonia
- Tension Pneumothorax - 204 Mathew
- 2nd line drugs used in T.B., ATT drugs - 137
- Rifampicin - S/E, use - P.138
- Pathophysiology of ARDS. - Notes
- TIT of MR Staphylococcal pneumonia, ~~ATT~~ → Notes ^{Vancomycin} Rifampicin.
- Causes of clubbing, grading - Kundu
- Indication of mechanical ventilation → 103 Math.
- Diag. & Mx of influenza. - P.107.
- TIT of Tubercular pleural effusion →
- Acute severe Asthma, TIT*, ~~Notes~~ Notes / Mathew
- Causes of Hepatosplenomegaly
- Cause of hemoptysis - Mathew 206
- Hydropneumothorax - Mathew - 205
- Pleural effusion - Investigation - P.198 Mathew
- Define Bronchiectasis, ds, investign, Rx, complication.
- Opportunistic infection of lungs
- Status Asthmaticus - Mathew / Notes (same)
- ILD - Mathew.
- Pulmonary embolism - Diag., Risk factor, Mx*
- Pneumothorax - management - 202
- Emphysema - CXR - 130
- Pleural effusion v/s Pneumonitis
- Pneumoconiosis - Mathew
- Hospital acquired Pneumonia -
- MDR - TB +
- Pleural effusion - Mx ¹⁹⁸, exudative vs transudative Pl. eff ^{Kundu 66}
- Cystic fibrosis - Pedia
- Bronchial v/s Cardiac Asthma (CVS) -
- Bronchial Asthma eff, Investign & Mx → Notes
- Obstructive sleep apnea - Mathew + Mathew

Notes + R.B.



Describe Pathog, diag. & Mx of Acute coronary syndrome

- Basic life support
- Diastolic murmur in MS
- First heart sound. R.B
- D.C. shock
- opening snap.
- ECG changes of hypokalemia. - R. Boon
- Malignant hypertension.
- Splitting of second heart sound. - R.B

CNS

1. Tlt of Status epilepticus. Notes R.B

930 → Diag. + Mx of Guillian Barre Syndrome → R.F. Notes

972 → Red ICT → Mx. Math 268

928 → Diff. b/w Polynuropathy & Mononeuritis Multiplex.

528 → Entrapment Neuropathy Math Kundu

→ Tlt of cerebral oedema

974 → Signs & symptoms of raised ICT → Math 268

→ CSF circulation (N) CSF (226)

968 → Tlt of Trigeminal neuralgia → From Math. P-265

→ Clinical signs of meningitis → R.B Notes (Mainly) + Math (P-265)

949 → Signs of S.C.D. (Subacute Combined Degeneration of Spinal cord)

228 → Signs of peripheral neuropathy - Math - 333

→ Mx of Ischaemic encephalopathy → ?

888 → Apraxia - Math 254

929 → Drugs causing Neuropathy - Math - 334.

→ Tlt of parkinson's disease. Notes R.B.

→ Cerebellar signs. - Page Notes & Kundu (204)

900 → Thrombotic stroke - cause, (E) Investig & Management R.B Notes

914 → Syncope vs epilepsy - R.B Notes

→ Flapping tremor - Kundu, M-P (382) - (1446) Kundu

→ EEG - Ghai

→ Diabetic Neuropathy - Endocrine

937 → Friedreich's Ataxia → R.B Notes.

→ Wernicke's encephalopathy

→ Landau JB Syndrome → ?

→ Plantar reflex importance - P. 480 (Kundu)

991 → Pyogenic meningitis - Mx complication → R.B Notes

→ Dilated pupil causes - R.B Notes - 1st page.

→ Diphenyl hydantoin → Toxicities

→ Migrain - Drugs → Notes in Mathew

→ Multiple sclerosis. → R.B (Notes) Ghai

→ Status epilepticus (915)

myasthenia gravis

Kidney

- eff of Acute Nephritic Syndrome - (R.B) ✓
 - Glomerulonephritis (Acute) - Chai - P- (474) ✓
 - Interstitial nephritis -
 - Hemodialysis indication (SN) (Notes)
 - Chronic kidney dis - causes & Cf - RASiv Boss
 - Polycystic kidney disease - 594 (Mudit Khanna)
 - Hematuria - Mathew - P. 719
 - Urine examination - Pama (H.N) ✓ 813
 - Chronic renal failure - RASiv Boss ✓
 - Acute nephritic synd vs nephrotic syndrome - Page (Notes)
 - Acute renal failure - RASiv Boss
 - Nephrotic + Clf
 - Microalbuminuria - Causes → Acute GN
 - i) post streptococcal
 - ii) Non streptococcal
 - Renal tubular Acidosis - blatta (372)
 - Dialysis Disequilibrium Syndrome
 - (i) Rapidly Prog. GN.
 - (ii) Membranoproliferative
 - (iii) Focal GN
 - (iv) IGA nephropathy
- systemic dise → SLE
PAN
Wegener's granulomatosis
HSP
erythema nodosum
- AEIOU
- | | |
|---|---|
| A | Intractable Acidosis |
| E | Electrolyte disturbance $\uparrow K^+ \downarrow Na^+ \uparrow CO_2$ |
| I | Intoxicants → Arsenic, ethylene glycol, Li |
| O | Intractable Fluid Overload |
| U | Uremic symptoms (nausea, vom, pericarditis, bleedg)
encephalopathy |



Dermat

- Erythema Nodosum
- Erythema multiforme
- T1t of psoriasis:
- T1t of Steven - Johnson syndrome

Respiratory continuation

- Causes of hemoptysis - P-366
- Respiratory failure - P-98
- Pleural Bx - Indication & Complication
- Bullae.
- Oxygen therapy →
- Montelukast. Leukotriene R₁ antagonist, used as 2nd choice in Asthma, along w/ inhaled corticosteroids.
Dose 10mg - OD.
Adverse effects - headache, abd. pain, skin rashes
angio edema.

Pneumonia → Streptococcus pneumoniae

H. influenzae

Moraxella catarrhalis

Mycoplasma pneumoniae

Legionella.

3/1/2016

CNS → continuation

- Myasthenia crisis - ^{R.B} Nates
- classify seizures - (form, pattern)
- FAQ → Tubercular Meningitis - C/f, Investⁿ, D/D, Mx.
- Epilepsy → C/f R.B notes Mx.
- Horner Syndrome - 266
- PUC Bell's Palsy - 266(M)

Mixed Connective Tissue Ds

- Also k/c Sharp's Synd; autoimmune disease in which bodies immune syst attacked
- S/S → Scleroderma + Dermatomyositis
- SLE
- RA
- Myositis
- S/S → Joint pain, swelling, malady Raynolds, muscle inflammation, sclerodactyly.
- Δ → ① ANA
- ② Anti UI RNP Ab

Medicine

Paper I 60 marks

A → Cardiology, Immunology, Rheumatology
Haematology & Critical Care Med. (Respi, CVS)

B → Endocrinology & Metabolism
Infectious Diseases, Poisoning & Physical & Chemical Agent

II

① → Neurology & Psychiatry
Respiratory & Nutritional D/D

② → GIT, Liver & pancreas
Nephrology, Dermatology & Genetics

60 marks