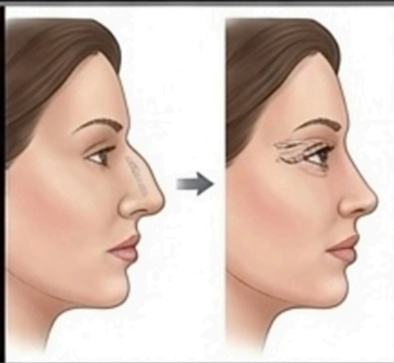
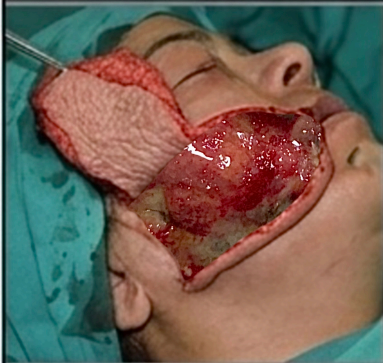
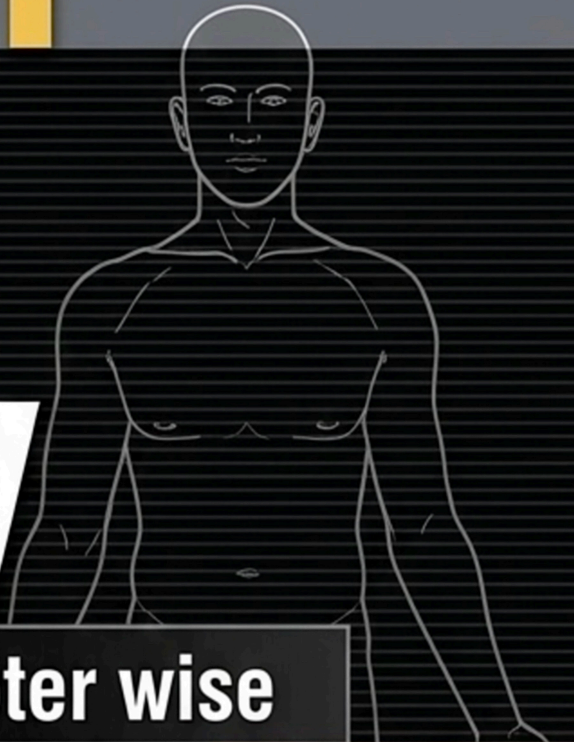


First Edition

PYQ's in Plastic Surgery

compiled and sorted chapter wise



Dr. Vasu Pottabathini

M.S. General Surgery, M.Ch. Plastic Surgery Resident



*This document contains a compilation of the previous ten years' question papers
from the M.Ch. Plastic and Reconstructive Surgery examinations of
NTRUHS, Andhra Pradesh.*

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PART I

PRINCIPLES, TECHNIQUES, AND BASIC SCIENCE

Chapter 1: Fundamental Principles of Plastic Surgery

- 1.** Discuss the principles, basic techniques and clinical applications of tissue expansion.
(Paper1 Sep 2020, Paper1 Jul 2016, Paper1 Oct 2015, Important Question)
- 2.** Tissue expander - principles and indications. *(Paper1 Jul 2019, Paper4 Jul 2011, Important Question)*
- 3.** Reconstructive ladder / Reconstruction elevator. *(Important Question)*
- 4.** Facial lines and their importance in placing incisions (RSTL). *(Important Question)*
- 5.** Serial excision. *(Important Question)*
- 6.** Crane principle - what is it and what are its uses? *(Paper1 Aug 2022, Important Question)*
- 7.** Delay phenomenon. *(Paper1 Oct 2014, Paper1 Jul 2013, Important Question)*
- 8.** Technique for enhancement of circulation. *(Paper1 Jul 2019)*
- 9.** Principles of suture selection. *(Important Question)*
- 10.** Osteointegration - biological sequence and its use in craniofacial prosthesis.
(Important Question)
- 11.** Distraction osteogenesis / Osteodistraction. *(Important Question)*
- 12.** Lag screw. *(Important Question)*
- 13.** Discuss the role of 3D printing in Plastic Surgery. *(Paper4 Aug 2021, Important Question)*

- 14.** Endoscopic plastic surgery – principles and applications. (*Paper3 Oct 2014, Paper4 Nov 2023, Paper4 Aug 2018, Paper4 Jul 2012, Important Question*)
- 15.** Robotics in Plastic Surgery. (*Important Question*)
- 16.** Computers and 3D imaging in Plastic Surgery. (*Important Question*)
- 17.** Photography and its applications in Plastic Surgery. (*Paper1 Dec 2023, Paper1 Aug 2021, Paper1 Jul 2019, Important Question*)
- 18.** Cephalometry. (*Paper1 Dec 2018, Paper2 Mar 2013, Important Question*)
- 19.** Telemedicine in Plastic Surgery. (*Paper1 Dec 2023, Paper4 Aug 2018*)
- 20.** Medicolegal issues in Plastic Surgery. (*Paper1 Dec 2023*)
- 21.** National guidelines for animal bites. (*Paper1 Nov 2017*)
- 22.** Joshi External Stabilization System (JESS). (*Paper2 Dec 2023*)
- 23.** External fixators. (*Important Question*)
- 24.** Role of Plastic Surgery in morbid obesity. (*Paper4 Jul 2014, Paper3 Aug 2021, Important Question*)
- 25.** Foetal surgery. (*Paper4 Jul 2019, Important Question*)
- 26.** Hyperbaric oxygen. (*Important Question*)
- 27.** Artificial skin / Skin substitutes. (*Important Question*)
- 28.** Skin banking – organization and various techniques. (*Paper4 Nov 2023, Paper1 Oct 2014, Important Question*)
- 29.** Storage of skin – modern trends. (*Important Question*)
- 30.** Marjolin's ulcer – clinical features, risk factors, and treatment. (*Paper1 Jul 2015, Paper2 Jul 2013, Paper2 Jul 2010, Important Question*)
- 31.** Wallerian degeneration. (*Paper1 Sep 2020, Important Question*)
- 32.** Universal precautions / Precautions for operating on HIV patients. (*Important Question*)
- 33.** Hospital acquired infections and management with relevance to plastic surgery. (*Important Question*)
- 34.** Control of Pseudomonas infection / MRSA treatment. (*Important Question*)
- 35.** Invasive wound sepsis. (*Important Question*)
- 36.** Hydradenitis suppurativa. (*Paper2 Aug 2022, Paper2 Nov 2013, Important Question*)

37. ARDS. (*Important Question*)
38. DIC. (*Important Question*)
39. Autologous blood transfusion. (*Important Question*)
40. Central venous parenteral nutrition. (*Important Question*)
41. Torticollis. (*Important Question*)
42. Cancrum oris. (*Important Question*)
43. Facial deformity in leprosy and its management. (*Important Question*)
44. Rhinophyma. (*Important Question*)
45. Vitiligo and its surgical treatment. (*Paper3 Dec 2018, Paper4 Jul 2015, Important Question*)
46. Mohs chemosurgery. (*Important Question*)
47. Principles of cryotherapy. (*Important Question*)
48. Naso endoscopy / OPG. (*Important Question*)
49. Skin avulsion injuries. (*Important Question*)
50. Pilonidal sinus. (*Paper1 Aug 2012, Important Question*)
51. EMG and electrical stimulation of muscles. (*Important Question*)
52. Allen's test. (*Important Question*)
53. Tissue typing. (*Important Question*)
54. Immunoglobulins. (*Important Question*)
55. Osteoconduction. (*Important Question*)
56. Marcus Gunn phenomenon - treatment. (*Important Question*)
57. Training in ADL. (*Important Question*)
58. Dry conjunctivitis. (*Important Question*)
59. Resorbable skeletal fixation systems. (*Paper4 Aug 2021*)
60. Biodegradable implants. (*Paper4 Jul 2013*)
61. Vascular couplers. (*Paper4 Aug 2021*)

Chapter 2: Basic Science of Wound Healing and Management of Chronic Wounds

- 62.** Describe the phases of wound healing in comparison to acute and chronic wounds. *(Paper1 Aug 2021, Paper1 Jul 2011, Important Question)*
- 63.** Complications of wound healing. *(Paper1 Nov 2012)*
- 64.** Growth factors in wound healing. *(Paper4 Nov 2013, Important Question)*
- 65.** Platelet-derived growth factor / Epithelial growth factors. *(Important Question)*
- 66.** Role of fibrin in plastic surgery. *(Paper4 Jul 2014)*
- 67.** Tissue glue / Sealants. *(Paper4 Dec 2018)*
- 68.** Mechanism of take of skin graft. *(Paper4 Nov 2023, Important Question)*
- 69.** Negative pressure wound therapy (NPWT) – foam vs gauze. *(Paper1 Jul 2016, Paper3 Jul 2014, Important Question)*
- 70.** Biological dressings. *(Paper1 Aug 2022, Important Question)*
- 71.** Hydrocolloid dressings. *(Paper1 Oct 2015)*
- 72.** Discuss autolytic, surgical, mechanical, and enzymatic debridement. *(Paper1 Jul 2015)*
- 73.** Biological debridement. *(Paper4 Jul 2013)*
- 74.** Medicinal leeches. *(Paper4 Aug 2022)*
- 75.** Epidermal cell culture. *(Important Question)*
- 76.** Post-traumatic healing of bones, tendons, and nerves. Discuss bone grafting. *(Paper1 Aug 2022, Important Question)*
- 77.** What is a trophic ulcer? Management of a non-healing ulcer over the heel of 5 years duration. *(Paper2 Jul 2019)*
- 78.** Pharmacological enhancement of chronic ulcer healing. *(Important Question)*
- 79.** Principles of treating irradiated wounds. Management of pathological fracture secondary to osteoradionecrosis of mandible. *(Paper1 Jul 2017)*
- 80.** Radiation injury. *(Paper1 Nov 2011)*

Chapter 3: Management of Scars

- 81.** Factors responsible for outcome of a scar. *(Paper1 Aug 2022)*
- 82.** Hypertrophic scar and keloid – classify, differentiate, and manage. *(Paper1 Jul 2015, Paper1 Oct 2014, Paper1 Aug 2018, Paper1 Nov 2012, Paper3 Jul 2011, Important Question)*

- 83.** Trap door scar. (*Important Question*)
- 84.** Principles of Z-plasty and its application in a linear scar. (*Important Question*)
- 85.** Recent advances in hypertrophic scar / Keloid management. (*Paper4 Jul 2016, Important Question*)
- 86.** Skin substitutes. (*Paper1 Nov 2013, Paper4 Jul 2013, Paper4 Jul 2014, Important Question*)

Chapter 4: Principles of Flap Design and Application

- 87.** Discuss flap classification – write in detail about at least two flap classifications. (*Paper1 Aug 2021, Important Question*)
- 88.** Discuss prefabricated, pre-laminated, and chimeric flaps. (*Paper1 Jul 2017, Paper4 Jul 2019, Paper4 Nov 2013, Important Question*)
- 89.** Propeller flap. (*Paper3 Nov 2017, Paper4 Nov 2012, Paper4 Nov 2011, Important Question*)
- 90.** Perforator flaps. (*Paper4 Jul 2012, Important Question*)
- 91.** Freestyle free flaps. (*Paper4 Dec 2018, Paper4 Jul 2014, Important Question*)
- 92.** What should define a "perforator flap"? Vascular anatomy of the ALT flap. Pedicle and free ALT flap. Is primary thinning recommended? (*Paper4 Jul 2015, Important Question*)
- 93.** Venous flaps. (*Important Question*)
- 94.** Axial pattern flap. (*Important Question*)
- 95.** Random pattern flap. (*Important Question*)
- 96.** Fasciocutaneous flap. (*Important Question*)
- 97.** Advancement flap. (*Important Question*)
- 98.** Interpolated flaps. (*Important Question*)
- 99.** V-Y plasty. (*Important Question*)
- 100.** Z-plasty. (*Important Question*)
- 101.** Flap preconditioning. (*Important Question*)
- 102.** Supercharging of free flaps. (*Important Question*)

- 103.** Improving survival of ischaemic flaps. *(Important Question)*
- 104.** Monitoring of vascularity of flaps. *(Important Question)*
- 105.** Omentum in reconstructive surgery. *(Important Question)*
- 106.** Hemodynamics of skin and geometric principles of local flaps. *(Important Question)*
- 107.** Rotation flap. *(Paper1 Nov 2023, Paper1 Nov 2013)*
- 108.** Groin flap. *(Paper1 Nov 2023, Paper3 Nov 2012, Important Question)*
- 109.** Limberg flap. *(Paper1 Aug 2018, Important Question)*
- 110.** Bilobed flap – geometry and use in nasal reconstruction. *(Paper1 Sep 2020, Paper1 Jul 2017, Paper2 Jul 2013)*
- 111.** Washio flap. *(Paper1 Jul 2014, Important Question)*
- 112.** Dufourmental flap. *(Important Question)*
- 113.** Nasolabial flap. *(Paper2 Aug 2018)*
- 114.** Midline / Paramedian forehead flap and its modifications in nose reconstruction. *(Paper2 Nov 2011, Paper3 Nov 2013, Important Question)*
- 115.** TRAM flap. *(Paper2 Nov 2023, Important Question)*
- 116.** Latissimus Dorsi flap. *(Paper2 Nov 2011)*
- 117.** Posterior interosseous artery flap. *(Paper2 Nov 2023)*
- 118.** Bipolar flap. *(Paper2 Aug 2021)*
- 119.** Radial artery forearm flap (RAFF) – surgical anatomy, planning, and applications. *(Paper3 Dec 2023, Paper4 Jul 2019, Important Question)*
- 120.** Soleus muscle flap. *(Paper3 Nov 2023)*
- 121.** Karapandzic flap. *(Paper3 Nov 2023)*
- 122.** Abbe-Estlander / Abbe flap. *(Paper3 Aug 2021, Paper3 Nov 2011, Important Question)*
- 123.** First dorsal metacarpal artery flap. *(Paper3 Jul 2017)*
- 124.** Temporoparietal fascial flap. *(Paper3 Jul 2016)*
- 125.** Anterolateral thigh (ALT) flap. *(Paper3 Jul 2011, Important Question)*
- 126.** Tongue flap. *(Paper3 Jul 2013)*
- 127.** Gastrocnemius flap. *(Paper4 Jul 2016)*

- 128.** Sural artery flap – indications, technique, complications. (*Paper4 Nov 2011, Important Question*)
- 129.** DIEP flap. (*Important Question*)
- 130.** Ponten flap. (*Important Question*)
- 131.** Juri flap. (*Important Question*)
- 132.** Kleinert flap. (*Important Question*)
- 133.** Littler's island flap. (*Important Question*)
- 134.** Lateral arm flap. (*Important Question*)
- 135.** SEA flap. (*Important Question*)
- 136.** DP flap. (*Important Question*)
- 137.** Dartois muscle and musculocutaneous flap. (*Important Question*)
- 138.** Reverse flow radial artery forearm flap. (*Important Question*)
- 139.** Inferiorly based fasciocutaneous flap in leg. (*Important Question*)
- 140.** Reverse sural artery flap. (*Important Question*)
- 141.** Scalp expanded forehead flap. (*Important Question*)
- 142.** Local rearrangement flaps. (*Important Question*)
- 143.** Local flaps of head and neck – vascular basis with diagrams. (*Paper3 Nov 2017, Important Question*)
- 144.** Flaps for upper eyelid defect. (*Paper4 Jul 2016*)

Chapter 5: Principles of Microsurgery

- 145.** Principles of microsurgery. (*Paper4 Aug 2022, Important Question*)
- 146.** End-to-side anastomosis in microsurgery. (*Paper1 Jul 2016, Important Question*)
- 147.** Super microsurgery. (*Paper4 Jul 2013*)
- 148.** Describe the various techniques for monitoring a free flap. (*Paper4 Jul 2013, Important Question*)
- 149.** Free functional muscle transfers. (*Paper3 Dec 2018*)
- 150.** Free jejunum flap. (*Paper2 Dec 2018*)

- 151.** Wrap-around toe transfer for thumb reconstruction. *(Paper2 Jul 2019)*
- 152.** Discuss the procedure, risks, and rehabilitation in arm replantation. *(Paper3 Dec 2018)*
- 153.** Describe replantation procedure for a severed hand at the wrist. *(Paper3 Jul 2011)*
- 154.** Factors determining anastomotic patency in microsurgery. *(Important Question)*

Chapter 6: Concepts of Skin Grafts and Skin Substitutes

- 155.** Skin grafting with specific mention about mechanism of graft survival (take). *(Paper1 Aug 2021, Paper1 Nov 2011, Important Question)*
- 156.** Homograft. *(Paper1 Jul 2011, Important Question)*
- 157.** Xenografts. *(Paper1 Oct 2015)*
- 158.** Composite graft. *(Paper1 Aug 2012)*
- 159.** Bone graft. *(Paper1 Jul 2019, Paper1 Jul 2016)*
- 160.** Calvarial bone graft. *(Paper1 Jul 2014, Paper2 Nov 2013, Important Question)*
- 161.** Boneless bone grafting. *(Paper1 Jul 2013)*
- 162.** Immunology of allografts and allotransplants. *(Paper1 Dec 2018)*
- 163.** Nanofat grafting. *(Paper4 Dec 2018)*
- 164.** Autologous fat grafting to the breast – safety, efficacy, and BRAVA-assisted mega-volume fat grafting. *(Paper4 Jul 2017)*
- 165.** Diced cartilage graft. *(Paper4 Jul 2017)*
- 166.** Inlay graft. *(Important Question)*
- 167.** Vascularization of tendon graft. *(Important Question)*
- 168.** Take of a bone graft. *(Important Question)*
- 169.** Tendon grafting. *(Important Question)*
- 170.** Clinical behaviour of different elements of grafted skin. *(Important Question)*
- 171.** Epithelial inlay. *(Important Question)*
- 172.** Fate of fat transplanted cells. *(Important Question)*
- 173.** Sieve and Wolfe graft. *(Important Question)*
- 174.** Integra. *(Paper4 Jul 2019)*

175. Skin substitutes in burns. (*Paper4 Jul 2014, Important Question*)

Chapter 7: Principles of Flap Reconstruction: Muscle Flaps, Myocutaneous Flaps, and Fasciocutaneous Flaps

176. Vascular anatomy of muscles (Mathes and Nahai classification). (*Paper1 Aug 2022*)

177. Classification of muscle and musculocutaneous flaps. (*Important Question*)

178. Anatomy of Gastrocnemius muscle and its clinical application as muscle flap. (*Paper1 Oct 2015*)

179. Muscle and musculocutaneous flaps in leg. (*Important Question*)

180. Musculocutaneous flaps for breast reconstruction. (*Important Question*)

Chapter 8: Principles of Nerve Repair and Reconstruction and Neuroma Management

181. Classification of nerve injuries. (*Paper1 Aug 2018, Paper1 Oct 2015, Paper1 Jul 2014, Important Question*)

182. Classify nerve injuries. Describe changes after nerve injuries. Discuss recent advances in nerve repair and regeneration. (*Paper4 Dec 2018*)

183. Nerve graft. (*Paper2 Jul 2013*)

184. Management of nerve gap / Current options for bridging the gap in peripheral nerves. (*Paper1 Jul 2013, Paper4 Nov 2013, Paper4 Jul 2015, Important Question*)

185. Funicular nerve repair. (*Important Question*)

186. Factors affecting nerve repair outcome. (*Important Question*)

187. Nerve conduits. (*Important Question*)

188. Nerve repair and nerve transfer. (*Important Question*)

189. Wallerian degeneration. (*Paper1 Sep 2020, Important Question*)

Chapter 10: Principles of Tissue Expansion

- 190.** Describe the principles, techniques, histological changes, and clinical applications of tissue expansion. (*Paper1 Sep 2020, Paper1 Jul 2016, Paper1 Oct 2015, Paper2 Jul 2013, Important Question*)
- 191.** Tissue expanders – types and clinical applications. (*Paper1 Jul 2019, Paper4 Jul 2011, Important Question*)
- 192.** Tissue expanders in burn sequelae. (*Important Question*)

Chapter 11: Principles of Local and Regional Anesthesia and Procedural Sedation

- 193.** Brachial block / Regional anesthesia of upper limb. (*Important Question*)
- 194.** Nerve blocks in the face. (*Important Question*)
- 195.** Regional anaesthesia in Plastic Surgery. (*Important Question*)
- 196.** Patient controlled analgesia. (*Important Question*)
- 197.** Hypotensive anaesthesia in plastic surgery. (*Important Question*)
- 198.** Anaesthesia in patients with trismus. (*Important Question*)
- 199.** Anaesthesia in faciomaxillary injuries. (*Important Question*)
- 200.** Epinephrine in digital blocks. (*Important Question*)
- 201.** Difficult intubation. (*Important Question*)

Chapter 12: Concepts of Tissue Engineering

- 202.** Tissue engineering and its applications in Plastic Surgery. (*Paper4 Aug 2021, Paper4 Dec 2018, Paper4 Jul 2016, Important Question*)
- 203.** Stem cell therapy. (*Paper4 Aug 2022, Paper4 Aug 2018*)
- 204.** Bone substitutes. (*Paper4 Aug 2021, Important Question*)
- 205.** Structural fat grafting. (*Paper2 Dec 2018*)

Chapter 14: Ethics of Plastic Surgery

206. Ethical issues involved in Aesthetic Surgery. (*Paper1 Aug 2021*)

207. Psychological aspects of plastic surgery. (*Important Question*)

PART II

SKIN AND SOFT TISSUE

Chapter 17: Benign and Malignant Dermatologic Conditions

- 208.** Discuss the clinical types, diagnosis, and management of basal cell carcinoma. *(Paper1 Aug 2018, Paper1 Nov 2012, Paper2 Jul 2011, Important Question)*
- 209.** Describe TNM classification for malignant melanoma. Discuss workup, surgical treatment, surveillance, and role of sentinel node biopsy. *(Paper1 Jul 2017, Paper1 Aug 2012, Paper1 Jul 2010, Important Question)*
- 210.** Define congenital giant naevus. Discuss risk of malignant transformation, rationale, timing, and surgical management. *(Paper1 Jul 2015, Paper3 Nov 2023)*
- 211.** Discuss clinical features, risk factors, and treatment of Marjolin's ulcer. *(Paper1 Jul 2015, Paper2 Jul 2013, Paper2 Jul 2010, Important Question)*
- 212.** What are different levels of neck nodes? Discuss different types of neck dissections. *(Paper1 Nov 2017, Important Question)*
- 213.** Principles of cancer management with specific mention to skin malignancies. *(Paper1 Dec 2018, Important Question)*
- 214.** Premalignant lesions of skin. *(Paper2 Jul 2012)*
- 215.** Pigmented lesions. *(Paper2 Nov 2011)*
- 216.** Submucous fibrosis. *(Paper2 Jul 2010, Important Question)*
- 217.** Romberg's disease. *(Paper3 Oct 2015, Important Question)*
- 218.** Vitiligo and its surgical treatment. *(Paper3 Dec 2018, Paper4 Jul 2015, Important Question)*
- 219.** Morphology and function of melanocyte. *(Important Question)*

220. Tattoo removal. (*Important Question*)

221. Surgical tattooing. (*Important Question*)

Chapter 18: Thermal, Chemical, and Electrical Injuries

222. Discuss the pathophysiology, management, and complications of acute thermal burns. (*Paper1 Sep 2020, Paper1 Oct 2014, Paper1 Jul 2010, Important Question*)

223. Describe the pathophysiology, assessment, and resuscitation of acute electric burn patient. Specific management of electric burns of the upper limb. (*Paper1 Jul 2019, Paper1 Jul 2014, Important Question*)

224. Discuss Parkland and modified Brooke's formula. Fluid resuscitation in burns. Fluid creep, abdominal compartment syndrome. (*Paper1 Jul 2015, Paper1 Nov 2017, Important Question*)

225. Discuss management of burns in the shock phase. (*Paper1 Jul 2011, Important Question*)

226. Fluid and electrolyte management in acute burns. (*Important Question*)

227. Burn wound sepsis. (*Paper1 Nov 2013, Important Question*)

228. Electrical burns complications. (*Paper2 Dec 2023*)

229. Escharotomy, fasciotomy, and escharectomy. Describe fasciotomy for the forearm. (*Paper2 Jul 2016, Paper2 Nov 2013, Paper1 Aug 2022, Important Question*)

230. Management of a burnt ear. (*Paper2 Jul 2014*)

231. Classify post-burn neck contracture and describe its management. (*Paper2 Jul 2016, Paper2 Nov 2012, Important Question*)

232. Chemical burns management. (*Paper3 Dec 2023*)

233. Describe in detail the management of facial burns. (*Paper3 Nov 2013, Paper4 Jul 2012, Important Question*)

234. Recent advances in burns management. (*Paper4 Dec 2018, Important Question*)

235. Cultured epithelial autograft. (*Paper4 Nov 2012*)

236. Burn triage. (*Important Question*)

237. Axillary contracture - classification and management. (*Paper1 Jul 2017, Important Question*)

- 238.** Tangential excision. (*Important Question*)
- 239.** Early excision of burn wound, techniques of excision, and skin substitutes in burns. (*Paper1 Jul 2017, Important Question*)
- 240.** Respiratory burns. (*Important Question*)
- 241.** Burns toxemia. (*Important Question*)
- 242.** MODS in burns. (*Important Question*)
- 243.** Topical agents in burns. (*Important Question*)
- 244.** Emergency procedures in burns. (*Important Question*)
- 245.** Organisation of burns unit. (*Important Question*)
- 246.** Low molecular weight heparin in burns. (*Important Question*)
- 247.** Nutrition in burns. Role of glutamine in burns. (*Paper4 Nov 2023, Important Question*)

Chapter 19: Principles of Burn Reconstruction

- 248.** Tissue expanders in burn sequelae. (*Important Question*)
- 249.** Post-burn neck contracture (PBC neck) – classification, pathophysiology, and management. (*Paper2 Jul 2016, Paper2 Nov 2012, Important Question*)
- 250.** Axillary contracture – reconstruction. (*Important Question*)

Chapter 20: Radiation and Radiation Injury

- 251.** Radiation injury and radiation burns. (*Paper1 Nov 2011, Important Question*)
- 252.** General principles of treating irradiated wounds. Management of pathological fracture secondary to osteoradionecrosis of mandible. (*Paper1 Jul 2017*)

Chapter 21: Lasers in Plastic Surgery

- 253.** What is Laser? Describe the role of different types in clinical practice. (*Paper4 Jul 2013*)

- 254.** Clinical applications of laser in Plastic Surgery. (*Paper4 Jul 2015, Paper4 Jul 2012, Important Question*)
- 255.** Facial rejuvenation with Laser. (*Paper4 Nov 2011*)
- 256.** Argon laser therapy. (*Important Question*)
- 257.** Laser-tissue interaction. (*Important Question*)
- 258.** Laser for tattoo removal. (*Important Question*)
- 259.** Low energy lasers in wound healing. (*Important Question*)
- 260.** Dermabrasion. (*Paper1 Aug 2018, Paper2 Aug 2022, Important Question*)

PART III

CONGENITAL ANOMALIES AND PEDIATRIC PLASTIC SURGERY

Chapter 22: Cleft Lip and Palate: Principles and Treatment

- 261.** Abnormal anatomy in unilateral cleft lip and its implications. (*Paper1 Jul 2014*)
- 262.** Management of bilateral cleft lip with protruding premaxilla. (*Paper2 Jul 2012, Paper2 Aug 2018, Important Question*)
- 263.** Describe features of unilateral and bilateral cleft lip nose deformity. Discuss various techniques of primary nose correction in cleft lip. (*Paper2 Jul 2017, Paper2 Mar 2013, Paper4 Nov 2013, Important Question*)
- 264.** Development of face with respect to cleft lip and palate. Describe one method of cleft lip repair in detail. (*Paper3 Nov 2023*)
- 265.** Classification of cleft lip and palate. (*Paper3 Oct 2015, Important Question*)
- 266.** Development of face and management of unilateral cleft lip. (*Important Question*)
- 267.** Van der Woude's syndrome. (*Important Question*)
- 268.** Pre-surgical orthodontics / Pre-surgical orthopaedics. (*Important Question*)
- 269.** Primary bilateral cleft lip repair. (*Important Question*)
- 270.** Orthodontics of cleft lip and palate. (*Important Question*)
- 271.** Secondary deformities after cleft lip repair. (*Important Question*)
- 272.** Simonart's band. (*Important Question*)
- 273.** Embryology of cleft lip and palate. (*Important Question*)

- 274.** Surgical schedule of cleft lip and palate – advantages and disadvantages. (*Important Question*)
- 275.** Protruding premaxilla. (*Important Question*)
- 276.** Discuss the anatomic and physiologic abnormalities in cleft palate and describe one method of palatoplasty. (*Paper2 Dec 2018, Important Question*)
- 277.** Submucous cleft palate. (*Paper2 Nov 2012, Important Question*)
- 278.** Pierre Robin's syndrome / sequence. (*Paper2 Dec 2018, Paper2 Jul 2014, Paper2 Mar 2013, Paper3 Jul 2013, Important Question*)
- 279.** Abnormalities of palate musculature in cleft palate. (*Important Question*)
- 280.** Pathological anatomy in cleft palate. (*Important Question*)
- 281.** Feeding in cleft palate. (*Important Question*)
- 282.** Palatal fistula closure. (*Important Question*)
- 283.** Furlow's palatoplasty. (*Important Question*)
- 284.** Alar correction in cleft – Columbia lengthening. (*Important Question*)
- 285.** Primary nose correction in cleft lip nose deformity. (*Important Question*)

Chapter 23: Cleft Lip and Palate: Embryology and Genetics

- 286.** Discuss the embryological development of the face. (*Paper1 Dec 2023, Important Question*)
- 287.** Describe the theories of facial development with relation to various cleft anomalies. (*Important Question*)
- 288.** Visceral arch-derived craniofacial structures. (*Important Question*)

Chapter 24: Congenital Melanocytic Nevi and Other Common Skin Lesions

- 289.** Define congenital giant naevus. Risk of malignant transformation, rationale, timing, and surgical management. (*Paper1 Jul 2015, Paper3 Nov 2023*)
- 290.** Management of giant hairy naevus. (*Paper3 Nov 2023*)

291. Morphology and function of melanocyte. (*Important Question*)

Chapter 25: Vascular Anomalies

292. Classify vascular anomalies. Outline management of a high-flow arteriovenous malformation. (*Paper1 Jul 2014, Important Question*)

293. Sclerotherapy for vascular malformations. (*Paper1 Jul 2015*)

294. Discuss the pathology, clinical features, differential diagnosis, and management of hemangioma. (*Paper1 Aug 2018, Paper4 Jul 2012, Important Question*)

295. Infantile hemangioma. (*Paper2 Jul 2016*)

296. Management of arteriovenous malformations (AVM). (*Paper2 Nov 2013, Important Question*)

297. Glomus tumor. (*Paper3 Aug 2022*)

298. Port-wine stain (capillary malformation). (*Important Question*)

299. AV fistula. (*Important Question*)

300. Embolisation in vascular malformations. (*Important Question*)

Chapter 26: Nonsyndromic Craniosynostosis and Deformational Plagiocephaly

301. Craniosynostosis. (*Important Question*)

302. Plagiocephaly. (*Important Question*)

303. Skull base anatomy. (*Important Question*)

304. Principles of craniofacial surgery. (*Important Question*)

Chapter 27: Syndromic Craniosynostosis

305. Apert syndrome. (*Paper2 Aug 2018, Paper2 Nov 2012*)

306. Treacher Collins Syndrome. (*Paper2 Aug 2021, Paper2 Jul 2016, Paper1 Aug 2012, Important Question*)

Chapter 28: Craniofacial Microsomia and Principles of Craniofacial Distraction

- 307.** Craniofacial macrosomia / microsomia. (*Important Question*)
- 308.** Craniofacial distraction / Mandibular distraction. (*Important Question*)
- 309.** Distraction osteogenesis. (*Paper3 Oct 2014, Paper3 Jul 2014, Paper3 Jul 2012, Important Question*)

Chapter 29: Orthognathic Surgery

- 310.** Discuss the uses of Le Fort I advancement with mention of relevant anatomy and surgical procedure. (*Paper2 Aug 2021, Important Question*)
- 311.** Malocclusion of teeth – classification and management. (*Paper2 Jul 2012, Important Question*)
- 312.** Intermaxillary fixation. (*Paper2 Jul 2016*)
- 313.** Cephalometry. (*Paper1 Dec 2018, Paper2 Mar 2013, Important Question*)

Chapter 30: Craniofacial Clefts and Orbital Hypertelorism

- 314.** Tessier classification of craniofacial clefts. (*Paper1 Dec 2018*)
- 315.** Describe the rare facial clefts and principles of their management. (*Important Question*)
- 316.** Lateral clefts / Facial clefts. (*Important Question*)
- 317.** Principles of craniofacial surgery. (*Important Question*)

Chapter 31: Ear Reconstruction

- 318.** Classify microtia. Discuss timing and Brent technique of ear reconstruction. Compare Brent with Nagata technique. (*Paper2 Jul 2017, Paper2 Jul 2016, Paper3 Nov 2023, Paper3 Nov 2011, Important Question*)

- 319.** Reconstruction of upper third auricular defect. (*Paper2 Aug 2018*)
- 320.** Ear lobe reconstruction. (*Paper3 Jul 2016, Important Question*)
- 321.** Prominent ear / Bat ear / Lop ear – otoplasty. (*Paper2 Aug 2021, Paper3 Nov 2013, Important Question*)
- 322.** Congenital absence of ear lobe. (*Important Question*)

Chapter 32: Management of Velopharyngeal Dysfunction

- 323.** What is velopharyngeal insufficiency? Discuss its causes, diagnosis, and various techniques for correction. (*Paper1 Jul 2013, Paper2 Nov 2023, Paper2 Aug 2022, Paper3 Nov 2011, Important Question*)
- 324.** Pharyngoplasty. (*Paper2 Mar 2013*)
- 325.** Nasal escape in speech / Speech problems in cleft lip and palate. (*Important Question*)
- 326.** Pharyngeal flap. (*Important Question*)
- 327.** Dynamic pharyngoplasty. (*Important Question*)

Chapter 34: Pediatric Brachial Plexus Reconstruction

- 328.** Discuss the management of acute brachial plexus injury presenting after 3 months with pan-plexus injury. (*Paper2 Aug 2021*)
- 329.** Discuss the management and new reconstructive surgery for brachial plexus injury. (*Paper3 Jul 2014*)
- 330.** Brachial plexus injuries – anatomy and treatment. (*Important Question*)
- 331.** Principles of management of brachial plexus injuries. (*Important Question*)

PART IV

HEAD AND NECK

Chapter 35: Skeletal and Soft Tissue Injuries of the Face

- 332.** Blow-out fracture of the orbit – mechanism, clinical features, complications, and management. (*Paper1 Nov 2023, Paper1 Nov 2012, Paper2 Jul 2019, Paper4 Jul 2011, Important Question*)
- 333.** Anatomy of orbital floor. (*Paper1 Nov 2017*)
- 334.** Discuss the anatomy, surgical pathology, classification, and management of fracture zygoma. (*Paper2 Aug 2018, Paper2 Jul 2012, Paper2 Nov 2011, Paper3 Oct 2015, Important Question*)
- 335.** Discuss radiological investigations for fracture mandible. Describe Champy's lines. Discuss plates and screws for mandibular osteosynthesis, load sharing, load bearing plates, fracture parasymphysis and condyle. (*Paper2 Jul 2017, Important Question*)
- 336.** Describe management of unfavourable fracture of the body of the mandible. (*Paper2 Jul 2011*)
- 337.** Classify fractures of middle third of face and discuss clinical features, management, and complications (LeFort fractures). (*Paper2 Mar 2013, Important Question*)
- 338.** Pan facial fracture. (*Paper4 Nov 2013*)
- 339.** Naso-orbito-ethmoidal fractures – classification and diagnosis. (*Paper2 Jul 2019, Important Question*)
- 340.** Craniofacial disjunction – treatment. (*Important Question*)
- 341.** Subcondylar fracture mandible. (*Important Question*)
- 342.** Principles of treatment of craniomaxillofacial injuries. (*Important Question*)

- 343.** Malar bone fracture and treatment. (*Important Question*)
- 344.** Endoscopic techniques for fracture mandible. (*Important Question*)
- 345.** Unstable fracture zygoma. (*Important Question*)

Chapter 36: Head and Neck Cancer and Salivary Gland Tumors

- 346.** Describe the staging of cancer cheek and discuss the role of regional flaps in cancer cheek reconstruction. (*Paper2 Nov 2013, Important Question*)
- 347.** Staging of oral cancers. Discuss the role of cervical lymphadenectomy in oral cancers. (*Important Question*)
- 348.** Management of retromolar trigone cancer. (*Important Question*)
- 349.** Midfacial degloving technique for maxillectomy. (*Important Question*)
- 350.** Tumour of mandible and its management. (*Important Question*)
- 351.** Neck level nodes – types of dissections. (*Paper1 Nov 2017, Important Question*)

Chapter 37: Neuroplastic and Reconstructive Surgery: Management of Complex Scalp and Skull Defects

- 352.** Discuss management of scalp defects. (*Paper3 Dec 2023, Important Question*)
- 353.** Avulsion injury of scalp – surgical anatomy of calvarium, treatment of total avulsion. (*Important Question*)
- 354.** Skull base anatomy. (*Important Question*)

Chapter 38: Reconstruction of the Eyelids, Correction of Ptosis, and Canthoplasty

- 355.** Describe anatomy of eyelid. Classify lid defects. Discuss treatment of 75% full thickness loss of lower eyelid. (*Paper1 Nov 2023*)
- 356.** Describe principles of eyelid reconstruction. Discuss management of loss of 50% of upper eyelid. (*Paper2 Jul 2017*)
- 357.** Ptosis of eyelid. (*Paper2 Jul 2012, Important Question*)

- 358.** Discuss the principles of eyelid reconstruction. Management of full thickness loss of three-fourths of central part of upper eyelid. *(Paper3 Nov 2013)*
- 359.** Describe reconstruction of lower eyelid in traumatic deficiencies. *(Paper4 Nov 2011)*
- 360.** Mustarde's principles of eyelid reconstruction. Options for 50-75% full thickness loss of upper lid. *(Important Question)*
- 361.** Reconstruction of upper eyelid. *(Important Question)*
- 362.** Reconstruction of lower eyelid – post-traumatic defects. *(Important Question)*
- 363.** Frontalis sling for ptosis. *(Important Question)*
- 364.** Contracted socket. *(Important Question)*
- 365.** Treatment for total eyelid loss. *(Important Question)*
- 366.** Treatment of lower lid injuries involving lacrimal canaliculus. *(Important Question)*
- 367.** Congenital coloboma of upper eyelid. *(Paper1 Nov 2011)*

Chapter 39: Nasal Reconstruction

- 368.** Local flaps for reconstruction of nose. *(Paper2 Dec 2018)*
- 369.** Reconstruction of alar defect. *(Paper2 Jul 2014)*
- 370.** Paramedian forehead flap and its modifications in nose reconstruction. *(Paper3 Nov 2013, Important Question)*
- 371.** Reconstruction of saddle nose. *(Paper3 Jul 2011)*
- 372.** Secondary reconstruction of nose with reference to unilateral cleft lip and palate. *(Paper4 Jul 2011)*
- 373.** Reconstruction of lobule of nose. *(Important Question)*
- 374.** Nasal reconstruction after traumatic loss. *(Important Question)*
- 375.** Anatomy of nose and reconstruction of tip. *(Important Question)*

Chapter 40: Reconstruction of Acquired Lip and Cheek Deformities

- 376.** Aesthetic units of face. *(Paper1 Nov 2023)*

- 377.** Describe the aesthetic units of cheek and discuss different options for reconstruction of cheek. *(Paper2 Aug 2018, Important Question)*
- 378.** Karapandzic flap. *(Paper3 Nov 2023)*
- 379.** Abbe-Estlander flap. *(Paper3 Aug 2021)*
- 380.** Abbe flap. *(Paper3 Nov 2011, Important Question)*
- 381.** Double upper lip. *(Important Question)*
- 382.** Cheek reconstruction after carcinoma excision. *(Important Question)*

Chapter 41: Facial Paralysis

- 383.** Describe the anatomy of the extracranial course of facial nerve. Discuss reanimation of the paralyzed face. *(Paper1 Jul 2019, Paper1 Nov 2013)*
- 384.** Describe the surgical anatomy of facial nerve. Discuss plastic surgery techniques for correction of facial palsy. *(Paper2 Jul 2010, Paper3 Jul 2011, Important Question)*
- 385.** Sling procedures in facial palsy. *(Important Question)*
- 386.** Dynamic procedures for facial palsy. *(Important Question)*
- 387.** Cross facial nerve transfer. *(Important Question)*
- 388.** Surgical management of facial palsy. *(Important Question)*

Chapter 42: Mandible Reconstruction

- 389.** Discuss the reconstructive options for mandibular defects. *(Paper2 Dec 2018)*
- 390.** Describe the management of a central mandibular defect. *(Paper2 Jul 2014)*
- 391.** Discuss the different methods of reconstruction of mandible. *(Paper2 Nov 2012, Paper3 Jul 2013, Important Question)*
- 392.** TM joint ankylosis – anatomy, aetiology, and management. *(Paper2 Jul 2017, Paper3 Jul 2019, Paper4 Nov 2012, Important Question)*
- 393.** Principles of mandibular reconstruction following tumour surgery. *(Important Question)*
- 394.** Management of central mandibular defect. *(Important Question)*

395. Radiological techniques for mandible / OPG. (*Important Question*)

Chapter 43: Reconstruction of the Oral Cavity, Pharynx, and Esophagus

396. Free jejunum flap. (*Paper2 Dec 2018*)

397. Staging of oral cancers and the role of cervical lymphadenectomy. (*Important Question*)

Chapter 44: Facial Gender-Affirming Surgery

398. Female to male gender dysphoria. (*Paper4 Aug 2022*)

PART V

AESTHETIC SURGERY

Chapter 46: Nonsurgical Facial Rejuvenation and Skin Resurfacing

- 399.** Non-surgical facial rejuvenation. (*Paper1 Dec 2018*)
- 400.** Chemical peeling. (*Paper2 Jul 2019, Paper4 Jul 2016, Important Question*)
- 401.** Dermabrasion. (*Paper1 Aug 2018, Paper2 Aug 2022, Important Question*)
- 402.** Changes in face due to ageing / Aesthetic surgery of the ageing face. (*Paper4 Aug 2022, Important Question*)
- 403.** Endoscopic face lift. (*Important Question*)
- 404.** Cosmetic augmentation of facial contour. (*Important Question*)

Chapter 47: Dermal and Soft-Tissue Fillers: Principles, Materials, and Techniques

- 405.** Fillers. (*Paper4 Nov 2011*)

Chapter 48: Botulinum Toxin

- 406.** Botulinum toxin injections in plastic surgery. (*Paper4 Nov 2023, Paper4 Jul 2012, Paper4 Jul 2011*)

Chapter 49: Fat Grafting in Plastic Surgery

- 407.** Structural fat grafting. *(Paper2 Dec 2018)*
- 408.** Nanofat grafting. *(Paper4 Dec 2018)*
- 409.** Fat injection / Fate of fat transplanted cells. *(Important Question)*

Chapter 51: Blepharoplasty

- 410.** Blepharoplasty. *(Important Question)*

Chapter 52: Eyelid Ptosis and Repair

- 411.** Ptosis of eyelid – classification and management. *(Paper2 Jul 2012, Important Question)*
- 412.** Frontalis sling for ptosis. *(Important Question)*

Chapter 53: Facelift and Necklift

- 413.** Aesthetic surgery of the ageing face. *(Paper4 Aug 2022, Important Question)*
- 414.** Rejuvenation of ageing face. *(Important Question)*

Chapter 54: Functional Considerations in Esthetic Rhinoplasty

- 415.** Deviated nose. *(Important Question)*
- 416.** Saddle nose deformity. *(Important Question)*
- 417.** Open approach rhinoplasty. *(Important Question)*
- 418.** Nasal tip plasty. *(Important Question)*
- 419.** Augmentation rhinoplasty. *(Important Question)*
- 420.** Hanging columella. *(Important Question)*
- 421.** Discuss osteotomy techniques in rhinoplasty. *(Paper2 Jul 2017)*

Chapter 56: Concepts in Treating Common Congenital Ear Pathology

- 422.** Microtia – aetiology, classification, and management. (*Paper3 Nov 2011, Paper3 Nov 2023, Paper2 Jul 2017, Paper2 Jul 2016, Important Question*)
- 423.** Congenital absence of ear lobe. (*Important Question*)

Chapter 57: Technical Refinement in Treating Prominent Ears

- 424.** Prominent ear / Bat ear / Lop ear – otoplasty. (*Paper2 Aug 2021, Paper3 Nov 2013, Important Question*)

Chapter 58: Alloplastic Augmentation of the Facial Skeleton

- 425.** Malar plasty. (*Important Question*)
- 426.** Classify implant materials. Characteristics of an ideal implant. Various uses in Plastic Surgery. (*Important Question*)
- 427.** Synthetic implants / Silicone implants. (*Important Question*)

Chapter 60: Hair Restoration

- 428.** Follicular unit hair transplant. (*Paper3 Jul 2016*)
- 429.** Hair transplantation. (*Paper3 Jul 2013, Important Question*)
- 430.** Male pattern baldness – classification and surgical management. (*Paper2 Aug 2022, Paper3 Aug 2018, Important Question*)
- 431.** Juri flap. (*Important Question*)

PART VI

BREAST

Chapter 62: Augmentation Mammoplasty, Mastopexy, and Augmentation Mastopexy

- 432.** Discuss indications, different techniques, and approaches for augmentation mammoplasty. *(Paper2 Jul 2013, Important Question)*
- 433.** Discuss advantage and potential tradeoffs of sub-mammary, sub-fascial, and partial retropectoral pocket for breast implant. Dual plane breast augmentation technique. *(Paper4 Jul 2015, Important Question)*
- 434.** Endoscopic breast augmentation. *(Paper4 Jul 2014)*
- 435.** Mastopexy. *(Paper2 Jul 2019, Important Question)*
- 436.** Ptosis of the breast. *(Important Question)*
- 437.** Periareolar mastopexy. *(Important Question)*
- 438.** Breast implants – types. *(Paper3 Jul 2016, Paper3 Oct 2015, Paper4 Jul 2015, Important Question)*
- 439.** Diagnosis and treatment of breast implant rupture. *(Important Question)*
- 440.** Acellular dermal matrix in breast surgery. *(Important Question)*

Chapter 63: Breast Reduction

- 441.** What are the different methods of reduction mammoplasty? Describe one method in detail. *(Paper2 Nov 2023, Paper2 Jul 2011, Paper3 Nov 2017, Paper3 Nov 2012, Important Question)*

- 442.** Describe markings for inferior pedicle technique. Compare inferior pedicle with vertical reduction mammoplasty (Hall-Findlay). Discuss liposuction-only reduction and lactation performance. *(Paper4 Jul 2017)*
- 443.** Breast reduction – superomedial pedicle technique. *(Paper4 Jul 2016)*
- 444.** Mastoplasty. *(Important Question)*

Chapter 64: Gynecomastia

- 445.** Classify gynecomastia. Discuss treatment and use of microdebrider. *(Paper1 Jul 2010, Paper2 Nov 2012, Paper3 Jul 2017, Paper4 Nov 2013, Important Question)*

Chapter 66: Breast Reconstruction—Prosthetic Techniques

- 446.** Describe the various recent techniques in breast reconstruction and detailed description about types of breast implants. *(Paper4 Nov 2023)*
- 447.** Discuss the reconstructive options in the management of a post-mastectomy defect. *(Paper4 Jul 2014)*
- 448.** Breast implants. *(Paper3 Jul 2016, Paper3 Oct 2015, Important Question)*
- 449.** Acellular dermal matrix in breast surgery. *(Important Question)*

Chapter 67: Concepts in Optimizing Breast Reconstruction Using Autologous Tissue

- 450.** Discuss in detail breast reconstruction following mastectomy. *(Paper2 Aug 2022, Paper2 Mar 2013, Paper2 Nov 2011, Paper3 Oct 2014, Paper3 Jul 2012, Important Question)*

Chapter 68: Options in Autologous Breast Reconstruction

- 451.** Discuss post-mastectomy breast reconstruction and describe in detail the TRAM flap. *(Paper2 Nov 2023, Paper2 Mar 2013, Important Question)*

- 452.** DIEP flap. (*Important Question*)
- 453.** Latissimus Dorsi flap for breast reconstruction. (*Paper2 Nov 2011*)
- 454.** Musculocutaneous flaps for breast reconstruction. (*Important Question*)

Chapter 70: Management of Breast Cancer-Related Lymphedema

- 455.** Discuss the pathophysiology, etiology, classification, and management of lymphedema. (*Paper1 Dec 2023, Paper1 Nov 2013, Paper3 Jul 2013, Paper3 Jul 2012, Paper3 Jul 2011, Important Question*)
- 456.** Discuss micro-lymphatic surgery for post-axillary block dissection lymphedema. (*Paper4 Jul 2017*)
- 457.** Lymphovenous shunt. (*Important Question*)
- 458.** Lymphoscintigram / Investigations for lymphedema and their interpretation. (*Important Question*)
- 459.** Management of filarial lymphedema of leg. (*Important Question*)

Chapter 72: Reconstruction of the Nipple-Areolar Complex

- 460.** Nipple-areola reconstruction. (*Paper3 Nov 2012, Important Question*)

Chapter 73: Congenital Anomalies of the Breast: Tuberous Breasts, Poland Syndrome, and Asymmetry

- 461.** Methods of correction of breast asymmetry. (*Paper3 Aug 2021, Important Question*)
- 462.** Inversion of nipple. (*Important Question*)
- 463.** Tuberous breast. (*Important Question*)
- 464.** Poland's syndrome. (*Important Question*)

PART VII

BODY CONTOURING

Chapter 74: Principles of Plastic Surgery After Massive Weight Loss

465. Discuss the role of Plastic Surgery in obesity management. (*Paper3 Aug 2021, Paper4 Jul 2014*)

Chapter 75: Liposuction, Abdominoplasty, and Belt Lipectomy

466. Describe abdominal wall anatomy relevant for abdominoplasty. Discuss abdominoplasty, mini-abdominoplasty, and lipo-abdominoplasty (Saldanha). Role of quilting sutures. (*Paper3 Jul 2015, Important Question*)

467. Complications of abdominoplasty. (*Paper3 Aug 2018*)

468. Abdominal wall defects. (*Important Question*)

469. Discuss indications, evaluation, techniques, and complications of liposuction. (*Paper4 Jul 2019, Paper3 Nov 2011, Important Question*)

470. Suction-assisted lipectomy / Ultrasonic liposuction. (*Paper4 Nov 2012, Important Question*)

471. Non-invasive body contouring techniques. (*Important Question*)

472. Lipolysis. (*Important Question*)

473. Advantages and disadvantages of UAL. (*Important Question*)

Chapter 77: Brachioplasty

474. Brachioplasty. (*Paper3 Jul 2012*)

PART VIII

HAND

Chapter 78: Functional Anatomy and Principles of Upper Extremity Surgery

- 475.** Describe the surgical anatomy and course of radial nerve in the arm and forearm.
Discuss management of radial nerve palsy / wrist drop. (*Paper1 Oct 2015, Paper1 Jul 2011, Paper4 Aug 2022, Paper2 Jul 2010, Important Question*)
- 476.** Describe the anatomy of the ulnar nerve in the hand and discuss management of ulnar claw hand. (*Paper1 Nov 2011, Paper3 Oct 2014, Important Question*)
- 477.** Describe the extensor apparatus of a finger with a diagram. Discuss deformities and reconstruction of finger following injury at various levels. (*Paper1 Oct 2014, Paper3 Aug 2022, Important Question*)
- 478.** Vascular supply of flexor tendons in hand. (*Paper1 Jul 2013*)
- 479.** Palmar fascia. (*Important Question*)
- 480.** Fibrous flexor sheaths of hand. (*Important Question*)
- 481.** Surgical anatomy of hand. (*Important Question*)
- 482.** Biomechanical properties of skin. (*Important Question*)

Chapter 81: Soft-Tissue Reconstruction of the Upper Extremity and Management of Fingertip and Nail Bed Injuries

- 483.** Management of fingertip injuries. (*Paper2 Dec 2023, Paper3 Oct 2014, Paper3 Nov 2011, Important Question*)

484. Nail bed injury. (*Paper3 Jul 2019*)

485. Discuss various flaps available for closure of soft tissue defects of dorsum of hand.
(*Paper3 Jul 2017*)

486. Digital reimplantation. (*Important Question*)

487. Contraindications for replantation. (*Important Question*)

488. Littler's island flap. (*Important Question*)

Chapter 82: Management of Compression Neuropathies of the Upper Extremity

489. Carpal tunnel syndrome – clinical examination, electrophysiological investigations, and surgical treatment. (*Paper2 Jul 2011, Paper3 Jul 2015, Paper3 Jul 2012, Important Question*)

490. Entrapment neuropathy. (*Paper3 Jul 2019*)

Chapter 84: Management of Brachial Plexus Injuries

491. Discuss the management of acute brachial plexus injury presenting after 3 months with pan-plexus injury. (*Paper2 Aug 2021, Important Question*)

492. Discuss the management and new reconstructive surgery for brachial plexus injury.
(*Paper3 Jul 2014*)

493. Brachial plexus injury – anatomy and treatment. (*Important Question*)

Chapter 89: Flexor Tendon Repair and Reconstruction

494. Management of Zone II flexor tendon injuries. (*Paper2 Dec 2023, Paper3 Nov 2023, Paper2 Nov 2023, Important Question*)

495. Flexor tendon injuries – principles of treatment. (*Important Question*)

496. Use of silastic rod in hand surgery. (*Important Question*)

497. Post tendon repair mobilization protocols for flexor tendon injuries in hand.
(*Important Question*)

498. Treatment of Zone II flexor tendon injury in safe period. (*Important Question*)

Chapter 90: Extensor Tendon Repair and Reconstruction

499. Describe extensor apparatus. Explain management of Zone 7 extensor tendon injury. (*Paper3 Jul 2016*)

500. Mallet finger. (*Paper2 Dec 2023, Paper2 Nov 2023*)

501. Swan neck deformity. (*Paper3 Aug 2022*)

502. Boutonniere deformity. (*Paper3 Dec 2018, Paper3 Jul 2014, Important Question*)

503. Extensor mechanism of finger and its associated deformities. (*Important Question*)

504. Management of extensor tendon injuries as per zone of injury. (*Important Question*)

Chapter 92: Principles and Applications of Tendon Transfers

505. Opponens plasty. (*Important Question*)

506. Tendon transfers in wrist drop. (*Important Question*)

507. Tendon transfers after ulnar nerve palsy. (*Important Question*)

508. Tendon transfers in high radial nerve palsy. (*Important Question*)

Chapter 95: Management of Mutilating Upper Extremity Injuries

509. Discuss principles and management of mutilating hand injuries. (*Paper3 Jul 2017, Important Question*)

510. Salvaging crush injury hand and treatment of total thumb loss. (*Important Question*)

511. Crush injury with radial hemi-amputation. (*Important Question*)

Chapter 96: Replantation Strategies of the Hand and Upper Extremity

512. Describe replantation procedure for a severed hand at the wrist. (*Paper3 Jul 2011, Paper4 Aug 2018, Important Question*)

- 513.** Discuss the indications, contraindications, and technique of replantation of upper extremity. *(Paper4 Aug 2018)*
- 514.** Discuss procedure, risks, and rehabilitation in arm replantation. *(Paper3 Dec 2018)*
- 515.** Contraindications for replantation. *(Important Question)*

Chapter 97: Thumb Reconstruction

- 516.** Discuss the different methods of reconstruction of a functional thumb. *(Paper3 Aug 2018, Paper3 Nov 2011, Paper3 Jul 2017, Paper4 Nov 2012, Important Question)*
- 517.** Discuss management of thumb amputation through proximal phalanx. *(Paper3 Jul 2017)*
- 518.** Toe-to-thumb transfer. *(Important Question)*
- 519.** Pollicization. *(Important Question)*
- 520.** Flap cover following degloving injury of thumb. *(Important Question)*
- 521.** Radial ray hypoplasia. *(Important Question)*
- 522.** Congenital anomalies of thumb. *(Important Question)*
- 523.** Wrap-around toe transfer for thumb reconstruction. *(Paper2 Jul 2019)*

Chapter 98: Dupuytren Disease

- 524.** Dupuytren's contracture. *(Paper2 Nov 2012, Paper3 Aug 2022, Paper3 Nov 2017, Important Question)*

Chapter 99: Hand Tumors

- 525.** Small tumours of hand. *(Important Question)*
- 526.** Treatment of subungual glomus tumour. *(Important Question)*
- 527.** Gigantism involving hand. *(Important Question)*

Chapter 102: Compartment Syndrome of the Upper Extremity

- 528.** Volkmann's ischemic contracture. (*Paper1 Sep 2020*)
- 529.** Compartment syndrome. (*Paper1 Nov 2013, Important Question*)
- 530.** What is escharotomy, escharectomy, and fasciotomy? Describe fasciotomy for the forearm. (*Paper1 Aug 2022*)
- 531.** Intrinsic minus deformity of the hand. (*Paper3 Jul 2019, Paper3 Aug 2022*)
- 532.** Discuss management of web space contracture of hand. (*Paper3 Jul 2015*)
- 533.** Management of stiff MPJ and IPJ of hand. (*Important Question*)
- 534.** Intrinsic plus deformity. (*Important Question*)
- 535.** Claw hand. (*Paper4 Jul 2011*)

Chapter 103: Congenital Hand Anomalies

- 536.** Classify congenital anomalies of the hand and their embryological basis. Management of syndactyly involving all fingers. (*Paper3 Dec 2023, Paper3 Jul 2019, Paper3 Nov 2012, Important Question*)
- 537.** Radial club hand – compare radialization and centralization. (*Paper3 Aug 2021, Paper4 Jul 2017*)
- 538.** Camptodactyly. (*Paper3 Aug 2018, Important Question*)
- 539.** Trigger finger. (*Important Question*)
- 540.** Macrodactyly. (*Important Question*)
- 541.** Congenital constriction ring. (*Important Question*)
- 542.** Classification of congenital anomalies of hand. (*Important Question*)

Chapter 104: Upper Limb Amputations and Prosthetics

- 543.** Upper limb prostheses. (*Paper4 Aug 2018*)
- 544.** Hand splints / Splints in hand rehabilitation. (*Paper2 Jul 2011, Paper1 Jul 2010, Important Question*)

PART IX

TRUNK AND LOWER EXTREMITY

Chapter 108: Reconstruction of the Chest, Sternum, and Posterior Trunk

- 545.** Describe the management of sternal dehiscence and osteomyelitis following coronary artery bypass surgery. (*Paper2 Jul 2014, Paper3 Oct 2015, Important Question*)
- 546.** Discuss the principles and various methods of chest wall reconstruction. (*Paper3 Aug 2018, Important Question*)
- 547.** Aetiology and pathology of chest wall defects. (*Important Question*)
- 548.** Thoracic wall defects. (*Important Question*)

Chapter 109: Abdominal Wall Reconstruction

- 549.** Abdominal wall defects. (*Important Question*)
- 550.** Describe abdominal wall anatomy relevant for abdominoplasty. (*Paper3 Jul 2015*)

Chapter 110: Lower Extremity, Foot, and Ankle Reconstruction

- 551.** Describe Gustilo classification for open fracture of tibia. Discuss management of patient with skin defect and defect of tibia over anterior aspect of lower one-third of leg. (*Paper3 Jul 2015, Important Question*)
- 552.** Discuss various cover techniques for middle third leg with exposed tibia. (*Paper3 Dec 2018, Paper4 Jul 2011, Important Question*)
- 553.** Management of chronic leg ulcer. (*Paper3 Aug 2021*)

- 554.** Discuss Peroneus Brevis muscle and Peroneal tendofascial flap. (*Paper3 Jul 2017*)
- 555.** Foot drop. (*Paper2 Aug 2022, Paper2 Jul 2011, Important Question*)
- 556.** Plantar ulcer on heel / Trophic ulcers and their management. (*Paper2 Nov 2011, Important Question*)
- 557.** Claw toes. (*Paper2 Jul 2010*)
- 558.** Muscle flaps from the foot. (*Paper3 Nov 2013*)
- 559.** Heel defects. (*Important Question*)
- 560.** Diabetic foot. (*Important Question*)
- 561.** Unstable scar ankle. (*Important Question*)
- 562.** Degloving injury sole of foot. (*Important Question*)
- 563.** Heel ulcer – treatment with sensate flap. (*Important Question*)
- 564.** Reconstruction of defects in the tendo-Achilles region. (*Important Question*)
- 565.** Exposed tendo-Achilles. (*Important Question*)
- 566.** Compartment syndrome in leg. (*Important Question*)
- 567.** Soft tissue defect over lower limb and its surgical management. (*Important Question*)

Chapter III: Perineal Reconstruction

- 568.** Discuss in detail about penile reconstruction. (*Paper3 Dec 2023, Paper3 Dec 2018, Paper3 Jul 2017, Important Question*)
- 569.** Congenital absence of vagina. (*Paper3 Aug 2022*)
- 570.** Epispadias. (*Paper3 Jul 2019, Paper3 Jul 2013*)
- 571.** Epispadias-Exstrophy complex. (*Important Question*)
- 572.** Vaginal atresia. (*Important Question*)
- 573.** Neocolporrhaphy. (*Important Question*)
- 574.** Avulsion injury of penis and scrotal skin. (*Important Question*)
- 575.** Ectopia vesica – management. (*Important Question*)
- 576.** Intersex – definition and investigations. (*Important Question*)
- 577.** Penoscrotal fistula. (*Important Question*)

Chapter 112: Diagnosis and Treatment of Lymphedema

- 578.** Discuss the pathophysiology, etiology, classification, and management of lymphedema. (*Paper1 Dec 2023, Paper1 Nov 2013, Paper3 Jul 2013, Paper3 Jul 2012, Paper3 Jul 2011, Important Question*)
- 579.** Discuss micro-lymphatic surgery for post-axillary block dissection lymphedema. (*Paper4 Jul 2017*)
- 580.** Lymphovenous shunt. (*Important Question*)
- 581.** Lymphoscintigram / Investigations for lymphedema. (*Important Question*)
- 582.** Development of lymphatic system and lymph physiology. (*Important Question*)

Chapter 113: Pressure Injury Management and Reconstruction

- 583.** Classify pressure sore. Describe management of sacral pressure sore. Surgical methods for Grade 4 sacral pressure sore. (*Paper1 Nov 2023, Paper3 Nov 2012, Paper4 Aug 2018, Important Question*)
- 584.** Classify pressure sores. Describe pathophysiology and management of ischial pressure sore. (*Paper3 Nov 2017, Paper3 Jul 2016, Paper3 Jul 2014, Important Question*)
- 585.** Methods of closure of trochanteric pressure sore. (*Paper3 Nov 2013, Important Question*)
- 586.** Sacral bedsore. (*Paper2 Jul 2010*)
- 587.** Decubitus ulcer. (*Important Question*)
- 588.** Pressure sore – conservative treatment and surgery. (*Important Question*)

Chapter 115: Gender-Affirming Phalloplasty and Vaginoplasty

- 589.** Classify hypospadias and discuss principles of management. (*Paper1 Nov 2011, Paper1 Jul 2010, Paper1 Jul 2011, Paper2 Nov 2013, Paper3 Aug 2022, Paper3 Oct 2014, Important Question*)
- 590.** Bracka's procedure. (*Paper2 Aug 2021*)

- 591.** Snodgrass technique. (*Paper2 Jul 2013*)
- 592.** Compare Asopa preputial flap technique with Duckett's technique for proximal penile hypospadias. (*Paper3 Jul 2015*)
- 593.** Chordee in hypospadias. (*Paper1 Jul 2010, Paper3 Aug 2018, Paper3 Jul 2012, Important Question*)
- 594.** Meatal advancement and glansplasty (MAGPI). (*Paper3 Nov 2012*)
- 595.** Principles of penile reconstruction. Microvascular techniques of total penile reconstruction. Treatment of severe micropenis. (*Paper3 Jul 2017, Paper3 Dec 2018, Important Question*)
- 596.** Total penile reconstruction and phalloplasty techniques. (*Important Question*)
- 597.** Preputial island flap for hypospadias. (*Important Question*)
- 598.** Single stage reconstruction of penile hypospadias. (*Important Question*)
- 599.** Hypospadias cripple. (*Important Question*)
- 600.** Characteristics of an ideal neourethra. (*Important Question*)
- 601.** Chordee without hypospadias. (*Important Question*)
- 602.** Penile curvature and treatment. (*Important Question*)
- 603.** Congenital short urethra. (*Important Question*)
- 604.** Development of male external genitalia and developmental anomalies. (*Important Question*)

PART X

BURNS: FROM TOTAL BURN CARE

Chapter 116: A Brief History of Acute Burn Care Management

- 605.** Sir Harold Gillies – life and contributions. (*Paper1 Aug 2022, Paper1 Nov 2017, Paper1 Dec 2023*)
- 606.** Gillies' principles. (*Paper1 Dec 2023*)
- 607.** Paul Tessier. (*Important Question*)
- 608.** Pioneers in Indian plastic surgery / Contribution of Indian surgeons. (*Paper1 Oct 2014, Important Question*)
- 609.** Prof. CBK. (*Important Question*)

Chapter 123: Pathophysiology of Burn Shock and Burn Edema

- 610.** Discuss the pathophysiology of burn wound and burn wound management. (*Paper1 Oct 2014, Important Question*)
- 611.** Pathophysiology of acute electrical burns. (*Paper1 Jul 2019, Paper1 Jul 2014, Important Question*)

Chapter 124: Burn Resuscitation

- 612.** Discuss Parkland and modified Brooke's formula. Choice of fluid for burn resuscitation. Monitoring intravascular volume. Fluid creep, abdominal compartment syndrome. (*Paper1 Jul 2015, Paper1 Nov 2017, Important Question*)

Chapter 125: Evaluation of the Burn Wound: Management Decisions

- 613.** Discuss optimal time for early surgical excision of the burn wound. Describe different techniques for excision of burn wound. Role of skin substitutes in burns. (*Paper1 Jul 2017, Important Question*)
- 614.** Burn triage. (*Important Question*)

Chapter 126: Treatment of Infection in Burn Patients

- 615.** Burn wound sepsis. (*Paper1 Nov 2013, Important Question*)
- 616.** Topical agents in burns. (*Important Question*)
- 617.** Organisation of burns unit. (*Important Question*)

Chapter 127: Operative Wound Management

- 618.** Discuss optimal time for early surgical excision of the burn wound. Techniques for excision. (*Paper1 Jul 2017, Important Question*)
- 619.** Tangential excision. (*Important Question*)
- 620.** Escharotomy in burns. (*Paper2 Jul 2016, Paper2 Nov 2013, Important Question*)

Chapter 129: The Skin Bank

- 621.** Skin bank – describe in detail about the organisation and various techniques involved. (*Paper4 Nov 2023, Paper1 Oct 2014, Important Question*)
- 622.** Storage of skin – modern trends. (*Important Question*)

Chapter 130: Skin Substitutes and the Next Level

- 623.** Skin substitutes in burns. (*Paper4 Jul 2014, Important Question*)
- 624.** Integra. (*Paper4 Jul 2019*)

625. Artificial skin. (*Important Question*)

626. Cultured epithelial autograft. (*Paper4 Nov 2012*)

Chapter 131: The Pathophysiology of Inhalation Injury

627. Respiratory burns. (*Important Question*)

Chapter 143: Nutritional Needs and Support for the Burned Patient

628. Nutrition in burns. (*Important Question*)

629. Discuss the role of glutamine in burns. (*Paper4 Nov 2023*)

Chapter 145: Etiology and Prevention of Multisystem Organ Failure

630. MODS in burns. (*Important Question*)

631. ARDS. (*Important Question*)

Chapter 153: Electrical Injuries

632. Describe the pathophysiology, assessment, and resuscitation of acute electrical burn patient. Specific management of electrical burns of the upper limb. (*Paper1 Jul 2019, Paper1 Jul 2014, Important Question*)

633. Electrical burns of wrist. (*Important Question*)

634. Electrical burns complications. (*Paper2 Dec 2023*)

Chapter 155: Chemical Burns

635. Chemical burns management. (*Paper3 Dec 2023*)

Chapter 160: Molecular and Cellular Basis of Hypertrophic Scarring

- 636.** Hypertrophic scar and keloid – classify, differentiate, and manage. (*Paper1 Jul 2015, Paper1 Oct 2014, Paper1 Aug 2018, Paper1 Nov 2012, Paper3 Jul 2011, Important Question*)
- 637.** Recent advances in hypertrophic scar / Keloid management. (*Paper4 Jul 2016, Important Question*)

Chapter 164: Reconstruction of Bodily Deformities in Burn Patients: An Overview

- 638.** Post-burn neck contracture – classification and management. (*Paper2 Jul 2016, Paper2 Nov 2012, Important Question*)
- 639.** Axillary contracture – classification and management. (*Paper1 Jul 2017, Important Question*)

Chapter 165: Reconstruction of the Head and Neck after Burns

- 640.** Describe in detail the management of facial burns. (*Paper3 Nov 2013, Paper4 Jul 2012, Important Question*)

Chapter 169: Acute and Reconstructive Care of the Burned Hand

- 641.** Management of burnt hand – acute and reconstructive care. (*Important Question*)
- 642.** Comprehensive management of the burned hand. (*Important Question*)

Chapter 172: Electrical Injury: Reconstructive Problems

- 643.** Electrical burns of wrist – reconstructive management. (*Important Question*)

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