

(LN 954)

AUGUST 2018

Sub. Code: 1954

M.Ch. – HAND SURGERY

Paper IV – RECENT ADVANCES

Q.P. Code: 181954

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the current concepts in the management of Proximal interphalangeal joint (PIP) fracture dislocations.
2. Describe the portals used for Wrist arthroscopy. Discuss arthroscopic management of triangular fibrocartilaginous complex injury.

II. Write notes on:

(10 x 7 = 70)

1. “Damage Control” Hand Surgery.
2. Giant cell tumour of the metacarpal.
3. Perforator flaps.
4. Composite tissue Allografting in Hand.
5. Salvage of the failed Flap.
6. House 2 stage surgery in tetraplegia.
7. Purple glove syndrome.
8. 6 strand flexor tendon repair.
9. Contralateral C7 root transfer.
10. Osteochondral grafts in Hand Surgery.

(LP 954)

AUGUST 2019

Sub. Code: 1954

M.Ch. – HAND SURGERY

Paper IV – RECENT ADVANCES

Q.P. Code: 181954

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the planning and development of a Composite Tissue Allotransplant (Hand transplant) program in your hospital.
2. Discuss the recent advances in the management of Zone II Flexor tendon injuries in the hand.

II. Write notes on:

(10 x 7 = 70)

1. Augmented Hamate Replacement arthroplasty.
2. Propeller flaps in coverage of the exposed elbow.
3. Scheker Prosthesis.
4. Salvage of the failed Thumb Replant.
5. ABCDEF procedure.
6. Hemophilic Cysts and Pseudotumours of Hand.
7. Nerve glue.
8. CMC Tightrope.
9. Headless compression screws.
10. Medial femoral condyle vascularized bone graft.

(MCH 0821)

AUGUST 2021

Sub. Code: 1954

M.Ch. – HAND SURGERY

Paper IV – RECENT ADVANCES

Q.P. Code: 181954

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify thumb duplication. Discuss the management of a 9-month old baby presenting with a Type IV thumb duplication.
2. Classify tetraplegia in the upper limb. Discuss the current concepts in the surgical management of the upper limb of a patient with Group 4 tetraplegia.

II. Write notes on:

(10 x 7 = 70)

1. Botox.
2. Scratch collapse test.
3. Necrotizing Fasciitis in upper limb.
4. MR Neurography.
5. Nerve conduits.
6. Distal RadioUlnar Joint (DRUJ) arthroplasty.
7. Bipolar latissimus dorsi transfer.
8. Femoral condyle free flap.
9. Pink pulseless hand in supracondylar fractures.
10. Carpometacarpal(CMC) joint tight rope.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0822)

AUGUST 2022

Sub. Code: 1954

M.Ch. – HAND SURGERY

Paper IV – RECENT ADVANCES

Q.P. Code: 181954

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the recent advances in the management of a patient with scapho-lunate instability.
2. Discuss the current reconstructive options in a patient with a partial or total, traumatic loss of thumb.

II .Write notes on:

(10 x 7 = 70)

1. Immunotherapy in Hand transplantation.
2. Targeted muscle reinnervation (TMR).
3. Management of a Type IV tetraplegic hand.
4. Neuroma pain management.
5. Free functioning muscle transfers (FFMT) in hand surgery.
6. Wang's Procedure.
7. Knotless Swivelock[®] anchor in Hand Surgery.
8. Contrast-extravasation injury of the forearm.
9. Theta fixation of hand fractures.
10. Trampoline sign.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0124)

JANUARY 2024

Sub. Code: 1954

M.Ch. – HAND SURGERY

PAPER IV – RECENT ADVANCES

Q.P. Code: 181954

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the current practices in the management of an adult patient with a post traumatic total brachial plexus injury presenting one year after injury.
2. Classify Hypoplastic thumb deformity. Discuss the management of a Type III (Blauth) hypoplastic thumb in a one-year-old child.

II. Write notes on:

(10 x 7 = 70)

1. Tacrolimus.
2. Preferential motor reinnervation.
3. House's Intrinsic tenodesis procedure.
4. RETS (reverse end to side) nerve transfer procedure.
5. Skin graft substitutes.
6. Delta phalanx.
7. Collagenase Clostridium Histolyticum.
8. PushLock[®] anchors in Hand Surgery.
9. Postoperative monitoring following free flap surgery.
10. Joint denervation in first CMC (Carpo- metacarpal) arthritis.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0824)

AUGUST 2024

Sub. Code: 1954

M.Ch. BRANCH XI – HAND SURGERY

PAPER IV – RECENT ADVANCES

Q.P. Code: 181954

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify Metacarpal Hand. Discuss the surgical management of the various types of metacarpal hands.
2. Classify Triangular fibrocartilage (TFCC) injuries. Discuss the current concepts in the surgical management of chronic TFCC injury.

II. Write notes on:

(10 x 7 = 70)

1. Composite tissue allograft in upper limb amputees.
2. Free Functional Muscle Transfer (FFMT).
3. Finger prosthesis.
4. Robotics in Hand Surgery.
5. Short Arc Motion (SAM) in central slip injuries.
6. Hemi-hamate replacement arthroplasty.
7. Propeller flaps.
8. Madelung's Deformity.
9. Congenital Proximal radioulnar joint synostosis.
10. The 3,4 Portal for wrist arthroscopy.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1954

M.Ch. BRACH XI – HAND SURGERY

PAPER IV – RECENT ADVANCES

Q.P. Code: 181954

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. The difference between solid organ transplantation and hand transplantation. State the difference between immunosuppression and immunoregulation. List the surgical steps necessary for limb transplantation.
2. The various suture techniques for Flexor Tendon Repair, at least two Rehabilitation Protocols, and Evaluation Systems for assessing outcomes of the same.

II. Write notes on:

(10 x 7 = 70)

1. Bone Graft and Substitutes.
2. Targeted muscle reinnervation.
3. Adjuvant Therapies for Nerve Recovery.
4. Three-Dimensional Printing in Hand Surgery.
5. Patient Reported Hand Outcome Measures in Hand Surgery.
6. Treatment Modalities for Complex Regional Pain Syndrome.
7. The external ring technique for microvascular anastomosis.
8. Medicinal Leech Use in Microsurgery.
9. Dynamic Radionuclide Imaging (DRI) in the Upper Extremity.
10. Tissue Engineering.
