

APRIL - 2001

[KD 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch III — Plastic Surgery

(Revised Regulations)

Paper III — PLASTIC SURGERY — APPLIED

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the various surgical methods of treatment of facial palsy. Describe briefly their pros and cons. (25)
2. What is the role of physiotherapy in plastic surgery? (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Blow out fracture
  - (b) V-Y/Y-V plasty
  - (c) Bifid nose
  - (d) Orthognathic surgery
  - (e) Skin substitutes.

**NOVEMBER - 2001**

**[KE 042]**

**Sub. Code : 1603**

**M.Ch. DEGREE EXAMINATION**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch III — Plastic Surgery**

**Paper III — PLASTIC SURGERY APPLIED**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

1. Describe briefly the development of cleft-lip repair. Discuss in detail Millard's techniques on cleft lip repair. (25)
2. Discuss the clinical features of ulnar claw-hand. Describe in detail its management. (25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Photography in plastic surgery
  - (b) Ectropion
  - (c) Post Burn contracture of neck
  - (d) Gynaecomastia
  - (e) 'Abbe' flap.

MARCH - 2002

[KG 042]

Sub. Code : 1609

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — APPLIED

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the pathophysiology of Electrical injuries and its management in a male child of about 10 years of age. (25)
2. Describe the Anatomy of Omentum. What are its different uses in Reconstructive Plastic Surgery. (25)
3. Write brief notes on : (5 × 10 = 50)
  - (a) Groin Flap.
  - (b) Boutonniere Deformity.
  - (c) Bone Lengthening.
  - (d) Speech therapy.
  - (e) Nutritional support in Burn patients.

SEPTEMBER - 2002

[KH 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — Applied

Time : Three hours

Maximum 100 marks

Answer ALL questions.

1. Enumerate fluid resuscitation regimens advocated to maintain intravascular volume after severe burn injury. Describe Parkland formula and modified Brooke formula for first two days (25)
2. What are the methods of reconstruction of total loss of lower eyelid? Describe one of them in detail. (25)

3 Write briefly on (5 × 10 = 50)

- (a) Ancient Hindu nasal reconstruction
- (b) Portwine stain
- (c) Opponensplasty
- (d) Wrap around flap
- (e) Dermis fat graft

APRIL - 2004

[KK 042]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — Applied

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

A. Essay :

(2 × 15 = 30)

(1) Describe fasciocutaneous vascular system. Describe Surgical anatomy of temperoparietal fascial and technique of elevating the temperoparietal fascial flap. What are uses of the temperoparietal fascial flap?

(2) Describe problems of closed reduction in orbitozygomatic fractures. How is the state bone fixation achieved? Describe clinical features and management of fracture zygoma.

B. Write short notes on :

(10 × 5 = 50)

- (1) Le Fort (Guerin) fractures.
- (2) Ultrasound assisted suction lipectomy (UAL).
- (3) Nerve conduction velocity (NCV).
- (4) Collagen synthesis and degradation.
- (5) Diagnosis of compartment syndrome.
- (6) Telangiectasia.
- (7) Reconstruction of vagina.
- (8) Management of acidosis in a burn patient.
- (9) Properties of ideal implant material.
- (10) Reduction mammoplasty.

**AUGUST - 2004**

**[KL 042]**

**Sub. Code : 1603**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch III — Plastic Surgery**

**Paper III — PLASTIC SURGERY — Applied**

**Time : Three hours                      Maximum : 100 marks**

**Theory : Two hours and                      Theory : 80 marks  
forty minutes**

**M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Essay :    (2 × 15 = 30)**

**(1) How will you manage a case of acute avulsion injury of the scalp? Discuss the treatment both at the acute period and late reconstruction.**

**(2) Classify Jaw tumours. Describe the management of the tumours in middle segment of the lower jaw.**

**II. Short Notes :                      (10 × 5 = 50)**

**(a) Biological skin cover**

**(b) Micropigmentation**

**(c) Random pattern flaps**

**(d) Hypertelorism**

**(e) Secondary correction of cleft lip and nose**

**(f) AV malformation**

**(g) Classify muscle flaps with examples**

**(h) Silastic implant for microtia**

**(i) Methods of evaluating the depth of burn injury**

**(j) Facial nerve palsy.**

FEBRUARY - 2005

[KM 042]

Sub. Code : 1603

**M.Ch. DEGREE EXAMINATION.**

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — Applied

Time : Three hours                      Maximum : 100 marks

Theory : Two hours and                      Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :    (2 × 15 = 30)

(1) Mention aims that one should keep in mind while making incision (elective) over fingers, palm, dorsum of hand and wrist joint. Describe various elective incisions used for various elective procedures in hand surgery.

(2) Describe the viscoelastic properties of skin and its application in tissue expansion. Describe the principles, clinical application and complication of tissue expansion.

II. Write short notes on :    (10 × 5 = 50)

- (a) Dufourmental flap design.
- (b) V-Y plasty applied to release contracture.
- (c) Z-plasty for congenital constriction ring.
- (d) Compression osteosynthesis.
- (e) Pocket (space) for mammary implant.
- (f) Micro-vascular suture technique for end to end anastomosis.
- (g) Harvesting septal cartilage graft.
- (h) Blood flow in veins in distally based radial artery island flap.
- (i) Classification of fascio cutaneous flaps based on the vascular anatomy.
- (j) Neurosensory flaps.

FEBRUARY - 2006

[KO 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — Applied

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

1. What are the various techniques available to reconstruct the mandible? Discuss in detail one vascularized bone graft of your choice. What are the difference between a vascularized bone graft and a free bone graft?

2. Discuss the pathogenesis, staging and management of a sacral pressure ulcer in a paraplegic who is 30 years old.

II. Write short notes on :

(10 × 5 = 50)

- (a) Levator shortening
- (b) Claw hand
- (c) Functional neck dissection
- (d) Alveolar bone grafting
- (e) Congenital lymphoedema
- (f) Carpal tunnel syndrome
- (g) Ganglion
- (h) MAGPI procedure
- (i) Ring avulsion injuries
- (j) Nodovenous shunt.

**AUGUST - 2006**

**[KP 042]**

**Sub. Code : 1603**

**M.Ch. DEGREE EXAMINATION.**

**Higher Specialities**

**( Revised Regulations)**

**Branch III — Plastic Surgery**

**Paper III — PLASTIC SURGERY – Applied**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Essay :**

**1. Describe the anatomy of the fatty layers of the abdomen. Discuss the principles, equipments, techniques and complications of liposuction. (20)**

**2. Discuss the clinical features and management of median sternotomy wound. (15)**

**3. Mention the indications and principles of vaginal reconstruction. Describe one technique of vaginoplasty for congenital vaginal agenesis. (15)**

**II. Short notes : (6 × 5 = 30)**

**(a) Juri flaps for male pattern baldness**

**(b) Free flaps for breast reconstruction and their blood vessels**

**(c) Asopa II technique of hypospadias repair**

**(d) Medial thighplasty**

**(e) Surgical options in huge gynaecomastia with skin excess**

**(f) The design, blood supply and uses of Transverse Lumbar flap.**

FEBRUARY - 2007

[KQ 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

Higher Specialities

(Revised Regulations)

Branch III — Plastic Surgery and Reconstructive  
Surgery

Paper III — PLASTIC SURGERY – Applied

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

1. Describe the surgical anatomy of breast and describe the technique of Mckissac breast reduction. (20)
2. Discuss the management of mutilating hand injury. (15)
3. Discuss the principles of Hypospadias and treatment of Hypospadias cripple. (15)

II. Short notes :

(6 × 5 = 30)

1. Micro hair graft.
  2. Dermabrasion.
  3. Serial excision.
  4. Nipple and areola reconstruction.
  5. Fat injection.
  6. Nail graft.
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August-2007

**[KR 042]**

**Sub. Code : 1603**

**M.Ch. DEGREE EXAMINATION.**

**Higher Specialities**

**(Revised Regulations)**

**Branch III — Plastic Surgery and Reconstructive  
Surgery**

**Paper III — PLASTIC SURGERY — Applied**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Long Essay :**

- 1. How will you manage a case of Panfacial Fracture? (20)**
- 2. Discuss the development of urethra. Enumerate methods of single-stage reconstruction of distal penile hypospadias, their complications and management. (15)**
- 3. How will you manage a case of electrical burns? (15)**

**II. Write short notes on :**

**(6 × 5 = 30)**

- (a) Prefabricated flaps.**
  - (b) Medial epicanthal fold.**
  - (c) Tourniquet.**
  - (d) Subcondylar fracture mandible.**
  - (e) Sternal wound dehiscence.**
  - (f) Composit graft.**
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August 2008

[KT 042]

Sub. Code: 1603

**M.Ch. DEGREE EXAMINATION**

**(Higher Specialities)  
(Revised Regulations)**

**Branch III – Plastic & Reconstructive Surgery**

**Paper III – PLASTIC SURGERY - APPLIED**

*Q.P. Code: 181603*

**Time: Three hours**

**Maximum: 100 Marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**(2 x 20 = 40)**

1. Describe the surgical anatomy of facial nerve. Give the clinical features and management of facial palsy (in brief).
2. Discuss thumb reconstruction for amputation through middle of proximal phalanx..

**II. Write short notes on:**

**(10 x 6 = 60)**

1. Nipple-areola reconstruction.
  2. Tourniquet.
  3. Vomer flap.
  4. Cleft lip nose
  5. Tarsorrhaphy.
  6. Treacher Collins syndrome.
  7. Submucous fibrosis.
  8. Use of Epidural Anaesthesia in plastic surgery.
  9. Breast implants.
  10. Management of cleft palate speech.
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August 2009

[KV 042]

Sub. Code: 1603

**MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS**

**(Super Specialities)**

**(Revised Regulations)**

**Branch III – Plastic & Reconstructive Surgery**

**Paper III – PLASTIC SURGERY – APPLIED**

*Q.P. Code: 181603*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**(2 x 20 = 40)**

1. 'Z' plasty and its application.
2. Cephalometric analysis and its application.

**II. Write short notes on:**

**(10 x 6 = 60)**

1. Fascio cutaneous flap.
2. Sacral pressure sore.
3. Post burns contracture neck.
4. Nasendoscopy.
5. Millard's repair.
6. Myofibroblast.
7. Melanoma.
8. Foot drop correction.
9. F.A.M.M. Flap.
10. Universal precautions.

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February 2011

[KY 042]

Sub. Code: 1603

**MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS**

**(Super Specialities)**

**Branch III – Plastic & Reconstructive Surgery**

**(Revised Regulations)**

**Common to all Candidates**

**Paper III – PLASTIC SURGERY – APPLIED**

*Q.P. Code: 181603*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**(2 x 20 = 40)**

1. Describe the surgical anatomy of scalp and management of scalp avulsion.
2. Discuss organization of hand and microsurgical service and its need.

**II. Write short notes on:**

**(10 x 6 = 60)**

1. Diabetic foot.
2. Opponensplasty.
3. Ectropion.
4. Brow lift.
5. Dermabrasion.
6. Macroductly of finger.
7. Trochanteric pressure ulcer.
8. Lymphedema.
9. Marjolin's ulcer.
10. Injury to external genitals.

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August 2011

[KZ 042]

Sub. Code: 1603

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATION  
(SUPER SPECIALITIES)

BRANCH III – PLASTIC & RECONSTRUCTIVE SURGERY

PLASTIC SURGERY - APPLIED

*Q.P. Code: 181603*

Time : 3 hours  
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks  
(Max.) (Max.) (Max.)

- |  |    |    |    |
|--|----|----|----|
| 1. Classify congenital anomalies of the thumb. How do you manage a congenital flail thumb?   | 11 | 35 | 15 |
| 2. What are the considerations in management of Lateral Popliteal nerve injuries? How do you go about providing motor and sensory functions of this nerve? | 11 | 35 | 15 |

II. Write notes on :

- |  |   |    |   |
|--|---|----|---|
| 1. Management of nailbed injuries.                                     | 4 | 10 | 7 |
| 2. Avulsion injuries of sole of foot-management principles.            | 4 | 10 | 7 |
| 3. Dupuytren's disease clinical evaluation and pitfalls in management. | 4 | 10 | 7 |
| 4. Management of Medial Malleolus level skin loss.                     | 4 | 10 | 7 |
| 5. Contractures of hand in burns.                                      | 4 | 10 | 7 |
| 6. Oblique amputation of finger tip in injuries - management.          | 4 | 10 | 7 |
| 7. Technical points in elevating Anterolateral thigh flap.             | 4 | 10 | 7 |
| 8. Functional outcome of replanted forearms and problems encountered.  | 4 | 10 | 7 |
| 9. Management of a mitten hand.  | 4 | 10 | 7 |
| 10. Approach to a diabetic foot with gangrene.                         | 4 | 10 | 7 |

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[LB 042]

AUGUST 2012

Sub. Code: 1603

M.Ch – PLASTIC & RECONSTRUCTIVE SURGERY

Paper – I PLASTIC SURGERY - APPLIED

Q.P. Code: 181603

Time : 3 hours  
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

**I. Elaborate on :**

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss advantages and disadvantages of the available classification systems for cleft lip and palate. Discuss Millard rotation advancement technique for unilateral cleft lip repair and compare with Mohler technique. Compare Prof Balakrishnan technique with Peter Randall triangular flap method.	16	35	15
2. Discuss general principles of tendon transfers. Discuss management of low median nerve paralysis.	16	35	15

**II. Write notes on :**

1. Intrinsic flaps in hand.	4	10	7
2. Describe anatomy of metacarpophalangeal (MCP) joint. Discuss the treatment of stiff MCP joint.	4	10	7
3. Discuss surgical treatment of Parry-Romberg syndrome.	4	10	7
4. Discuss autologous breast reconstruction. Compare pedicle TRAM with latissimus dorsi flap.	4	10	7
5. Describe Fitzpatrick skin type classification. Discuss dermabrasion.	4	10	7
6. Discuss flap reconstruction of distal lower extremity wounds in diabetic patients.	4	10	7
7. Describe anatomy of nasal tip. Discuss nasal tip augmentation.	4	10	7
8. Discuss management of complex abdominal wall defects.	4	10	7
9. Discuss compression neuropathies of the lower extremity.	4	10	7
10. Discuss embryology and management of vaginal agenesis.	4	10	7

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(LD 042)

AUGUST 2013

Sub. Code:1603

**M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY**  
**Paper – III PLASTIC SURGERY – APPLIED**  
*Q.P.Code: 181603*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe the methods of reconstruction of Breast following Mastectomy.
2. What are the various techniques available to reconstruct the mandible? Discuss in details on vascularized bone graft of your choice. What are the difference between a vascularized bone graft and a free bone graft?

**II. Write notes on:**

**(10X7=70)**

1. Dupuytren's disease.
2. Avulsion injuries of sole of foot-management principles.
3. Classification of facial clefts.
4. Submucous fibrosis.
5. Treacher Collins syndrome.
6. Regional anaesthesia in plastic surgery.
7. Neurosensory flaps.
8. Functions neck dissection.
9. Tattoos.
10. Biogeometry of transposition flaps.

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(LE 042)

FEBRUARY 2014

Sub. Code:1603

**M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY**  
**Paper – III PLASTIC SURGERY – APPLIED**

*Q.P.Code: 181603*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe the embryology, incidence and management of hypospadias. Describe one commonly used single stage corrective surgical procedure in detail.
2. Classify Vascular Malformations. Discuss management of low flow vascular malformation.

**II. Write Notes on:**

**(10X7=70)**

1. Finger tip injuries.
2. Marjolin's ulcer.
3. Blepharoplasty.
4. Hair transplantation.
5. Opponensplasty.
6. Nipple and areola reconstruction.
7. Le Fort fractures.
8. Reduction mammoplasty.
9. 'Abbe' flap.
10. Management of diabetic foot with gangrene.

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[LF 042]

AUGUST 2014

Sub. Code: 1603

**M.Ch. – PLASTIC AND RECONSTRUCTIVE SURGERY**

**Paper III – PLASTIC SURGERY—APPLIED**

*Q. P. Code: 181603*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer ALL questions in the same order.**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. What are the indications and contraindications for replantation?  
Describe the sequence of repair and post-operative monitoring for replantation after multiple digital amputations in hand?
2. Enumerate the techniques of Reduction Mammoplasty.  
Write in detail about patient selection, markings and operative technique for Inferior pedicle breast reduction.

**II. Write notes on:**

**(10 x 7 = 70)**

1. What do you understand by “Osseointegration”?  
Describe the procedure of osseointegrated Auricular prosthesis fixation.
2. Burn wound excision techniques.
3. Indications and technique of Mohs micrographic surgery.
4. Management of Poland syndrome in female.
5. Role of orthodontics in cleft lip and palate during infancy.
6. What are the requirements for free functional muscle transfer?  
Describe the free functional muscle transfer to flexor aspect of forearm.
7. Classify soft-tissue fillers and write about autologous fillers.
8. What are advantages of open approach in Rhinoplasty?  
Write about nasal tip suturing techniques.
9. What are the anatomic causes of Prominent ear?  
Write about the Otoplasty techniques for correction of Prominent ear.
10. Exstrophy and Epispadias.

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