

APRIL - 2001

[KD 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch III — Plastic Surgery

(Revised Regulations)

**Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the various methods of reconstruction of breast following mastectomy. (25)
2. Discuss in detail the functional muscle transfers in plastic surgery. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Composite Flap
 - (b) Multi organ failure in burns
 - (c) Computers in plastic surgery
 - (d) Endoscopic surgery in plastic surgery
 - (e) Chemical peeling.

NOVEMBER - 2001

[KE 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

**Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Discuss indications, limitations and technique of Liposuction. (25)
2. How will you organise a new 20 bed burns unit? Discuss in detail. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Hair transplants
 - (b) Adepofascial flaps
 - (c) Gracilis myocutaneous flap
 - (d) Alveolar bone grafts
 - (e) Protruding premaxilla.

MARCH - 2002

[KG 043]

Sub. Code : 1804

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the evolution of surgical treatment for chronic Lymphoedema of Extremities. (25)
2. Discuss the scope of Cranio-Facial surgery in developing countries. (25)
3. Write brief notes on : (5 × 10 = 50)
 - (a) Organisation of Burns unit in a District Hospital.
 - (b) Use of MRI in Plastic Surgery.
 - (c) Ultrasonography in Lymphoedema.
 - (d) Vaso-Epididymal Anastomosis.
 - (e) Anaemia in Thermal Injuries.

SEPTEMBER - 2002

[KH 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY

Time : Three hours

Maximum 100 marks

Answer ALL questions

1. What do you understand by ultrasound-assisted lipoplasty, suction-assisted lipoplasty and external ultrasound assistance in liposuction? Describe similarities and differences between ultrasound assisted lipoplasty and suction assisted lipoplasty. Describe the operative technique of ultrasound assisted lipoplasty in brief. (25)

2. Describe the recent advances in the diagnosis and management of craniomaxillofacial fractures. What do you understand by Panfacial injuries? How do you manage Panfacial injuries? (25)

3 Write briefly on (5 × 10 = 50)

(a) Endoscopically assisted plastic surgical procedures.

(b) Sphincter pharyngoplasty

(c) Chemical face peeling

(d) 3-dimensional imaging

(e) Calvarial bone graft.

APRIL - 2004

[KK 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES
IN PLASTIC SURGERY

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 various speech problems in cleft lip and palate cases. What are the causes of these problems? Describe methods of treatment of speech problems in cleft cases.

(2) Describe etiology and pathophysiology of obesity. Mention indications / patient selection for surgery for obesity. Discuss various obesity surgery procedures.

B. Write short notes on :

(10 × 5 = 50)

- (1) Hypothermia during microvascular surgery.
- (2) Patient Controlled Analgesia (PCA).
- (3) Low-molecular weight heparin.
- (4) Non-healing ulcer.
- (5) Recent advances in treatment of keloid.
- (6) Skin substitutes.
- (7) Jumping cross finger flap.
- (8) Ear framework for reconstruction of ear.
- (9) Negative suction dressing.
- (10) Endoscopic plastic surgery procedures.

AUGUST - 2004

[KL 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

**Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY**

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) Describe the methods of reconstruction of lower 1/3rd of the leg following road traffic accident resulting in exposed tendoachillies and bones.

(2) Describe recent trends in evaluation and management of bilateral cleft lip and palate child with severe protruding premaxilla.

II. Short notes : (10 × 5 = 50)

- (a) Classify haemangiomas
- (b) Post burn axillary contractures
- (c) Mastopexy
- (d) Classify facial clefts
- (e) Supra malleolar flaps
- (f) Implant materials
- (g) Local anaesthetics in Plastic Surgery
- (h) Management of Giant hairy naevus on the face
- (i) Laser surgery
- (j) Classify types of acro cephalo syndactyly and describe pefeiffers syndrome.

FEBRUARY - 2005

[KM 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY

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) Describe clinical and electrophysiological assessment following repair of injured peripheral nerve. Discuss post-operative management (with special reference to physiotherapy) in cases of nerve injury.

(2) Describe etiology, pathogenesis, diagnosis and management of Acute Respiratory Distress Syndrome (ARDS).

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

- (a) Nutritional implications of altered metabolism in sepsis.
- (b) Body Mass Index (BMI)
- (c) Macroglossia
- (d) Endoscopy assisted rejuvenation of face
- (e) Alar base excision
- (f) Tissue Engineering
- (g) Recent advances in surgery for longstanding facial nerve palsy
- (h) Pericranial flap
- (i) Marginal mandibular nerve palsy
- (j) Diode laser.

FEBRUARY - 2006

[KO 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY

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) Discuss in detail the various modalities available for evaluating the Velopharyngeal portal. How would you match the pharyngoplasty to the defect?

(2) What is Macro and Micro reimplantation? What are the indications and contraindications for reimplantation? Discuss in detail the steps in reimplantation of the right index finger through Zone II.

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

(a) Karapandzic flap

(b) Mohs chemosurgery

(c) Meshed graft

(d) Malignant Hyperthermia

(e) Brachytherapy

(f) Necrotizing fasciitis

(g) Advantages and disadvantages of ultrasound assisted liposuction

(h) Compartment syndrome diagnosis, complications and management

(i) Sural artery flap

(j) Blow out fracture of the orbit.

AUGUST - 2006

[KP 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY

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 aetiology and classifications of loss of thumb. Mention the various techniques available for thumb reconstruction and describe in detail the management of traumatic loss of thumb through proximal third of first metacarpal. (20)

(2) What are the causes of failure of free flap? Discuss the measures that can be taken to prevent it. How will you manage a failing free flap? (15)

(3) Discuss the role of plastic surgeon in cases of diabetic foot. (15)

II. Short notes : (6 × 5 = 30)

(a) Lateral cephalogram.

(b) Foetal wound healing

(c) Blood supply and use of flexor digitorum brevis of foot in reconstructive surgery

(d) Boutonniere deformity of finger

(e) Use of intestine in plastic surgery

(f) Washio flap.

FEBRUARY - 2007

[KQ 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery and Reconstruction
Surgery

Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY

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 role of Orthodontia and distraction osteogenesis in cleft and palate. (20)
2. Enumerate different flaps used in reconstruction of Cancer Cheek and describe Narayanan's flap. (15)
3. Describe the role of Fillers and implants in plastic surgery. (15)

II. Short notes :

(6 × 5 = 30)

1. Water's View
2. Foetal Surgery
3. Implants
4. Rigid Fixation
5. Telecanthus
6. Heparin in Burns.

August-2007

[KR 043]

Sub. Code : 1604

M.Ch. DEGREE EXAMINATION.

Higher Specialities

(Revised Regulations)

**Branch III — Plastic Surgery and Reconstruction
Surgery**

**Paper IV — PLASTIC SURGERY AS APPLIED TO
ALLIED SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY**

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 questions.

1. Discuss the Role of Tissue Expander. (20)

**2. Describe male pattern baldness and its
management. (15)**

**3. What are the causes of lymphoedema? Discuss the
management of filarial lymphoedema of Lower Limb.**

(15)

II. Write Short notes on :

(30)

(a) Allen's test

(b) Bone substitutes

(c) Autologous blood transfusion

(d) Embolization in vascular malformations

(e) Methods of monitoring flap viability

(f) Nerve conduits.

August 2008

[KT 043]

Sub. Code: 1604

M.Ch. DEGREE EXAMINATION

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

Branch III – Plastic & Reconstructive Surgery

**Paper IV – PLASTIC SURGERY AS APPLIED TO ALLIED
SCIENCES AND RECENT ADVANCES IN
PLASTIC SURGERY**

Q.P. Code: 181604

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays: (2 x 20 = 40)

1. How will you organize a full fledged trauma care centre.
2. Discuss indications and contraindications of limb replantation. Give steps of replantation of hand through palm.

II. Write short notes on: (10 X 6 = 60)

1. Mixed parotid tumour.
 2. Tissue bank.
 3. Super Selective embolization.
 4. Management of MWL patients after bariatric surgery.
 5. Keloid-recent advances.
 6. Chemical peeling.
 7. Endoscopes in plastic surgery.
 8. Distraction osteogenesis.
 9. Finger prosthesis.
 10. Prognathism.
-

August 2009

[KV 043]

Sub. Code: 1604

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS

(Super Specialities)

Branch III – Plastic & Reconstructive Surgery

(Revised Regulations)

**Paper IV – PLASTIC SURGERY AS APPLIED TO ALLIED SCIENCES
AND RECENT ADVANCES IN PLASTIC SURGERY**

Q.P. Code: 181604

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Describe about pre fabrication flaps.
2. Narrate growth factors in wound healing.

II. Write short notes on:

(10 x 6 = 60)

1. Perforator based flaps.
2. Nerve gap reconstruction.
3. Pan facial fracture.
4. Cleft lip nose.
5. Dynamic procedures in fascial palsy.
6. Instep flap.
7. Gynaecomastia.
8. Calvarial bone graft.
9. Hydradenitis suppurativa.
10. N.H. Antia.

February 2011

[KY 043]

Sub. Code: 1604

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS

(Super Specialities)

Branch III – Plastic & Reconstructive Surgery

(Revised Regulations)

Common to all Candidates

**Paper IV – PLASTIC SURGERY AS APPLIED TO ALLIED SCIENCES
AND RECENT ADVANCES IN PLASTIC SURGERY**

Q.P. Code: 181604

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Discuss in detail the clinical uses of digital photography and computers in plastic surgery.
2. Describe the etiopathogenesis of obesity, selection of patient and various techniques of liposuction.

II. Write short notes on:

(10 x 6 = 60)

1. Breast implants.
2. Facial rejuvenation.
3. Nerve repair with gap.
4. Foetal surgery.
5. Endoscopic plastic surgery.
6. Finger tip injuries.
7. Penile reconstruction.
8. Wrap around flap.
9. Face transplant.
10. Scar revision.

August 2011

[KZ 043]

Sub. Code: 1604

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

BRANCH III – PLASTIC & RECONSTRUCTIVE SURGERY

PLASTIC SURGERY AS APPLIED TO ALLIED SCIENCES
AND RECENT ADVANCES IN PLASTIC SURGERY

Q.P. Code: 181604

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. How do you classify abnormal fat deposition in the body?
What are the considerations in management of obesity
involving gluteal and thigh regions. | 11 | 35 | 15 |
| 2. What are the materials available for bone loss? What is the
decision making process between natural bone and bone
substitutes in face bone loss. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Compare chemical peeling and lasers in facial rejuvenation. | 4 | 10 | 7 |
| 2. Biofilms for wounds. | 4 | 10 | 7 |
| 3. Surgery for vitiligo. | 4 | 10 | 7 |
| 4. Imaging advances in facial surgery. | 4 | 10 | 7 |
| 5. Ropivacaine; compare with Lignocaine. | 4 | 10 | 7 |
| 6. Non surgical fat reduction. | 4 | 10 | 7 |
| 7. Stem cells in plastic surgery. | 4 | 10 | 7 |
| 8. Nanocrystalline silver. | 4 | 10 | 7 |
| 9. Advances in breast implants. | 4 | 10 | 7 |
| 10. Nagata's method of ear reconstruction. | 4 | 10 | 7 |

[LB 043]

AUGUST 2012

Sub. Code: 1604

M.Ch – PLASTIC & RECONSTRUCTIVE SURGERY

Paper – IV PLASTIC SURGERY AS APPLIED TO ALLIED SCIENCES AND
RECENT ADVANCES IN PLASTIC SURGERY

Q.P. Code: 181604

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 sign and symptoms of Klippel – Trenaunay Syndrome. Discuss the necessary radiological workup and treatment of patient with Klippel – Trenaunay syndrome.	16	35	15
2. Discuss closure of excised burn wound with semi permanent and permanent skin substitutes.	16	35	15
II. Write notes on :			
1. Facial artery musculomucosal (FAMM) flap.	4	10	7
2. Follicular Unit Extraction (FUE) versus Follicular Unit Transplantation (FUT).	4	10	7
3. Free flap reexploration: indication, treatment.	4	10	7
4. APTOS(anti-ptosis) sutures.	4	10	7
5. Reverse posterior interosseous flap and its composite flap.	4	10	7
6. Botulinum toxin.	4	10	7
7. Autologous fat transfer for facial recontouring.	4	10	7
8. Propanolol for hemangiomas.	4	10	7
9. CT angiography of the lower extremities versus conventional catheter angiography.	4	10	7
10. Lymphatic microsurgery for the treatment of lymphedema.	4	10	7

(LD 043)

AUGUST 2013

Sub. Code:1604

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY
Paper – IV PLASTIC SURGERY AS APPLIED TO ALLIED SCIENCES
AND RECENT ADVANCES IN PLASTIC SURGERY

Q.P.Code: 181604

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Describe the phenomenon of wound healing in skin – phases, factors influencing epithelization and contraction and after effects of healing.
2. Describe etiology and pathophysiology of obesity. Discuss various procedures of abdominoplasty.

II. Write notes on:

(10X7=70)

1. Keloid – recent advances.
2. Chemical peeling.
3. Distraction osteogenesis.
4. Prognathism.
5. Lateral cephalogram.
6. Use of intestine in plastic surgery.
7. Mastopexy.
8. Supra malleolar flaps.
9. Omental flaps.
10. Telecanthus.

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY
Paper – IV PLASTIC SURGERY AS APPLIED TO ALLIED SCIENCES
AND RECENT ADVANCES IN PLASTIC SURGERY

Q.P.Code: 181604

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss autologous fat harvesting, processing, reinjection, and storage. Discuss autologous fat grafting to the breast: safety and efficacy.
2. What should define a "perforator flap"? Discuss vascular anatomy of the anterolateral thigh flap. Is primary thinning of the anterolateral thigh flap recommended?

II. Write notes on:

(10X7=70)

1. Define supermicrosurgery. Discuss role of supermicrosurgery in plastic surgery.
2. Discuss promotion of epithelialization and wound closure using epidermal cell suspension.
3. Robot-Assisted Plastic Surgery.
4. Describe free style perforator flap. Discuss free style flap in reconstruction of lower limb.
5. Define large volume liposuction (megaliposuction). Discuss general practice guidelines for megaliposuction.
6. Imaging in brachial plexus injuries.
7. Discuss current options for bridging the gap in peripheral nerves.
8. Discuss microvascular anastomotic techniques. Describe anastomotic coupling device.
9. Hyperbaric oxygen therapy for wound healing and limb salvage
10. Discuss techniques to prevent cartilage warping. Discuss diced cartilage graft.

[LF 043]

AUGUST 2014

Sub. Code: 1604

M.Ch. – PLASTIC AND RECONSTRUCTIVE SURGERY
Paper IV – PLASTIC SURGERY AS APPLIED TO ALLIED SCIENCES
AND RECENT ADVANCES IN PLASTIC SURGERY

Q. P. Code: 181604

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. What are the principles of Facelift surgery?

Write in detail about Extended SMAS technique in facial rejuvenation.

2. What are the goals and options for complete Phallic reconstruction?

Write in detail about Radial Forearm flap in phallic reconstruction.

II. Write notes on:

(10 x 7 = 70)

1. Endoscopic flap harvest.

2. Physiological operations for lymphoedema.

3. Omental flap for breast reconstruction.

4. Obstetric brachial plexus palsy – mechanism of injury, clinical presentation and management strategy.

5. Skin bank and storage.

6. What are the types of Velopharyngeal dysfunction?

How will you evaluate a case of Velopharyngeal dysfunction?

7. Marginal mandibular nerve palsy.

8. Stem cells in plastic surgery.

9. Temporo-parietal fascial flap.

10. Anastomotic devices in microvascular surgery.
