DPU

Dr. D. Y. PATIL VIDYAPEETH, PUNE (Deemed to be University)

Syllabus for Super Speciality

2014 - 15 (Amended / Revised upto July 2019)



Dr. D.Y. PATIL VIDYAPEETH, PUNE

(Deemed to be University)

(Re-accredited by NAAC with a CGPA of 3.62 on a four point scale at 'A' Grade) (An ISO 9001 : 2015 Certified University)

Dr. A. N. Suryakar Registrar

> Ref. No.: DPU/875-vii/2019 Date: 11/09/2019

NOTIFICATION

Whereas in pursuance of the following decisions taken by the Board of Management, it is hereby notified to all concerned that the "Syllabus for Super Speciality – 2014-15" is revised upto July 2019 and hereby published.

- Changes in Practical examination pattern of M. Ch. Urology vide Resolution No. BM-35(viii)-18, dated 12th October, 2018.
- Approval of Syllabus for D.M. (Cardiology), D.M. (Neurology) and M. Ch. (Cardio Vascular Thoracic Surgery) vide Resolution No. BM-38(xiv)-17, dated 27th December, 2017.
- ➤ Interdisciplinary subjects of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide Resolution No. BM-10(viii) dated 12th April, 2019.
- Interdisciplinary subjects of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide Resolution No. BM-27(xi) dated 30th July, 2019.

The Syllabus of Super Speciality – 2014-15 Revised upto July 2019 will be useful to all the concerned. This will come into force with immediate effect.



(Dr. A. N. Suryakar) Registrar

Copy to:

- PS to Chancellor for kind information of Hon'ble Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
- 2. PS to Vice Chancellor for kind information of Hon'ble Vice Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
- 3. The Dean, Dr. D. Y. Patil Medical College Hospital & Research Centre, Pimpri, Pune
- 4. The Controller of Examinations, Dr. D. Y. Patil Vidyapeeth, Pune.
- 5. Director (IQAC), Dr. D. Y. Patil Vidyapeeth, Pune.
- 6. Web Master for uploading on Website.

MAPPING OF PROGRAMME OUTCOMES [POs] AND COURSE OUTCOMES [COs] OF SUPER SPECIALITY PROGRAMMES

PROGRAMME OUTCOMES

No.	By the end of the programme, the Postgraduate will have /be:
PO 1	Knowledge and Skills
PO 2	Planning and problem solving abilities
PO 3	Communication
PO 4	Research Aptitude
PO 5	Professionalism and Ethics
PO 6	Leadership
PO 7	Societal Responsibilities
PO 8	Environment and Sustainability
PO 9	Lifelong Learner

M.Ch. PLASTIC SURGERY PROGRAMME

Course Code	Course Title
SS07	M.Ch. Plastic Surgery

Course 1 (Subject Code)

CO No.	At the end of the course, the learner should be able to:	Mapped Programme Outcomes
SS07.1	Recognize the key importance of	PO1,PO2,PO3,PO4,PO5,
	medical problems in the context of	PO6,PO7,PO8,PO9
	the health priority of the country	
SS07.2	Practice the specialty of plastic	PO1,PO2,PO3,PO5,
	surgery in keeping with the	PO6,PO7,PO8,PO9
	principles of professional ethics	
SS07.3	Identify social, economic,	PO1,PO2,PO3,PO4,PO5,
	environmental, biological and	PO6,PO7,PO8,PO9
	emotional determinants of adult	
	Plastic Surgery and know the	
	therapeutic, rehabilitative,	
	preventive and promotion	
	measures to provide holistic care	
	to all patients	
SS07.4	Demonstrate communication skills	PO1,PO2,PO3,PO4,PO5,
	of a high order in explaining	PO6,PO7,PO9
	management and prognosis,	
	providing counseling and giving	
	health education messages to	
	patients, families and communities	
	regarding Plastic Surgery	
SS07.5	Develop as a self-directed learner,	PO1,PO2,PO3,PO4,PO5,
	recognize continuing educational	PO6,PO7,PO9
	needs; use appropriate learning	
	resources, and critically analyze	
	relevant published literature in	
	order to practice evidence-based	
0007.6	Plastic Surgery	PO1 PO2 PO2 PO2
SS07.6	Demonstrate skills in	PO1,PO2,PO3,PO5,
	documentation of case details, and	PO6,PO7,PO8,PO9
	of morbidity and mortality data	
0007.7	relevant to the assigned situation	DO1 DO2 DO2
SS07.7	Demonstrate competence in basic	PO1,PO2,PO3,PO5,
	concepts of research methodology	PO6,PO7,PO8,PO9

CO No.	At the end of the course, the learner should be able to:	Mapped Programme Outcomes
	and epidemiology and be able to critically analyze relevant published research literature.	Outcomes
SS07.8	Develop skills in using educational methods and techniques as applicable to the teaching of medical/nursing students, general physicians and paramedical health workers.	PO1,PO3,PO4,PO5, PO6,PO7,PO8,PO9
SS07.9	Function as an effective leader of a health team engaged in health care, research or training.	PO1,PO2,PO3,PO4,PO5, PO6,PO7,PO8,PO9
SS07.10	Keep abreast with the contemporary advances and developments in Plastic Surgery	PO1,PO2,PO3,PO4,PO5, PO8,PO9

M.Ch. Plastic & **Reconstructive surgery**

SYLLABUS FOR M.Ch. PLASTIC & RECONSTRUCTIVE SURGERY

Sr.	Торіс
No.	
1	History of Plastic Surgery
2	History of investigations in Plastic surgery
3	Art of history taking
4	Anatomy of Skin & Adnexa
5	Physiology of skin 7 Adnexa
6	Water & electrolyte balance
7	Anatomy in regards of development of various organs (embryology)
8	Burns – Patho Physiology
9	Burns Management, Conservation and Surgical aspects
10	Management of Burns deformities – Late complications
11	Hand injuries
	a. History taking and clinical examination
	b. Assessment of hand injuries
12	Management of hand injuries
13	Finger injuries
14	Conservative and Surgical management
15	Congenital hand deformities
16	Skin grafting physiology
17	Skin grafting equipment and techniques
18	Flaps – Basic & Physiology
19	Types of flaps
20	Applications of flaps
21	Lymphoedema – Pathology
22	Management – Conservative and surgical
23	Principles of aesthetic surgery
24	Techniques of various cosmetic surgeries
25	Rhinoplasty
26	Mammoplasty
27	Abdomino plasty
28	Techniques of lipectomy and liposuction
29	Complications
30	Vascular malformations
31	Arteriovenous malformations – low and high flow
32	Lymphatic malformations
33	Scars
34	Keloids & hypertrophic scars
35	Facio maxillary emergencies

Sr.	Торіс
No.	•
36	Fracture mandible
37	Fracture maxillary
38	Fracture orbital wall & zygoma
39	Fracture skull bones
40	Fracture nasal bone
41	Soft tissues injuries of face
42	Principles of reconstructive surgery
43	Various flaps / skin covers for non-healing ulcers
44	Management of trauma patients requiring urgent soft tissue cover –
	face & limbs
45	Historical perspectives
46	Genetics
47	Psychological aspects of plastic surgery
48	Ethics in plastic surgery
49	Liability issues in plastic surgery: A legal Perspective
50	Photography in plastic surgery
51	Anesthesia for plastic surgery
52	Transplantation in plastic surgery
53	Skin grafts
54	Flap classification and applications
55	Flap physiology
56	Principles and techniques of Micro vascular surgery
57	Prosthesis in plastic surgery
58	Principles of Cancer Management
59	Primary Rhinoplasty
60	Hair Restoration
61	Secondary Rhinoplasty
62	Facial Trauma : Soft tissue injuries
63	Acute care and Reconstruction of Facial Burns
64	Facial fractures
65	Peadiatric Facial Injuries
66	Scalp reconstruction
67	Embryology, classifications and descriptions of craniofacial clefts
68	Classification and anatomy of cleft palate
69	Bilateral cleft lip repair
70	Orthodontics in cleft lip and palate management
71	Secondary deformities of the cleft lip, nose and palate
72	Vascular anomalies

Sr.	Торіс
No. 73	Tumous of the line, and equity and enough energy and Mandilla
74	Tumors of the lips, oral cavity and oropharynx and Mandible Tissue expansion and its applications
75	Benign tumors of the skin
76	
77	Malignant tumors of the skin
78	Malignant melanoma Reconstruction of the chest
79	Reconstruction of the chest Reconstruction of the back
80	
	Congenital anomalies of the chest wall
81	Hypospadias and Epispadias
82	Pressure sores
83	Vascular insufficiency of the lower extremity : lymphatic, venous and arterial
84	Anatomy and biomechanics of the hand
85	Examination of the upper extremity
86	Anesthesia for upper extremity surgery
87	Fingertip reconstruction
88	Reconstructive surgery of individual digits (excluding thumb)
89	Thumb reconstruction: Micro vascular methods
90	Fractures and joint injuries involving the metacarpals and phalanges
91	Peripheral nerve injuries repair and reconstruction
92	Adult brachial plexus injuries
93	Replantation and revascularization
94	Acute management of the burned hand and electrical injuries
95	Management of Dupuytren's disease
96	Infections of the hand
97	Reflex sympathetic dystrophy / chronic regional pain syndrome
98	Benign and malignant soft tissue tumors of the upper limb
99	Benign and malignant bone tumors of the hand
100	Embryology of the upper limb
101	Management of transverse and longitudinal deficiences
102	Management of disorders of separation – syndactyly
103	Construction ring syndrome
104	Disorders of duplication
105	Failure of differentiation and overgrowth
106	Vascular anomalies of the upper extremity
107	Tendon transfers in upper limb
108	Free functioning muscle transfers in the upper limb
109	Management of the spastic hand

Sr. No.	Торіс
110	Hand therapy
111	Upper limb functional prosthetics

DEPARTMENT OF PLASTIC SURGERY

LIST OF SEMINAR TOPICS:

Sr.	Topic
No.	
1	TM joint alkalosis
2	Management of bilateral cleft lip with protruding premaxila
3	Embryology, abnormal anatomy, classification of cleft lip and palate
4	Role of orthodontics in the cleft lip and palate
5	Velopharyngeal incompetence : Definition, etiology, diagnosis,
	investigation and management
6	Secondary deformity of cleft lip: Nose correction
7	Secondary surgery in cleft lip: Alveolar bone grafting
8	Describe embryological development of different type of muscle.
	Classify muscle flaps according to vascular anatomy. Advantage,
	disadvantage, monitoring of muscle and musculocutaneous flaps.
9	Management of compound fractures of leg
10	Hypospadias and Epispadias
11	Clinical and radiological examination of facio-maxillary injury
12	Tendon transfer
13	Principles of flap selection for lower extremity (excluding foot)
14	Management of infection and antibiotic protocol in burn
15	Nutrition in burn. Discus role of parenteral nutrition
16	Fingertip and nail bed injuries
17	Nerve injury. Also discus advantage of vascularised nerve grafts
18	Management of middle third facial bone fractures
19	Pathophysiology of thermal burn and rationale of fluid administration
20	Assessment of thickness and management of burn wound
21	Pressure sore
22	Vascularised bone graft
23	Classify vascular anatomy. Discuss hemangioma
24	Management of nasal bone fracture
25	Management of fracture mandible
26	Management of orbito – zygomatic fractures
27	Flap necrosis: cause and prevention. Monitoring of flap.
	Management of impending flap failure
28	Limberg and geometric flaps

Sr.	Topic
No.	
29	Principles & application of tissue distraction in reconstructive surgery
30	Discuss A-V malformation
31	Tissue expansion
32	Principles and applications of tissue distraction in reconstructive
22	surgery
33	Principles of craniofacial surgery
34	Intersex
35	Foot reconstruction: Discuss management principles
36	Radiation ulcer and radiodermatits
37	Vascular anatomy of flexor tendons and management of flexor
20	tendon injuries
38	Extensor tendon injuries
39	Biological dressing
40	Descibe blood supply of skin and discuss fasciocutaneous flaps
41	Management of VIC
42	Pollicisation
43	Thumb reconstruction
44	Duputryn's contracture
45	Classification of congenital hand anomalies. Discuss management of
	syndactyly and polydactyly.
46	Macrodactyly
47	Brachial plexus injury
48	Management of cutaneous malignancy
49	Concept and clinical application of angiosomes
50	Management of heel ulcer
51	Liposuction: Discuss current concepts, indication, contraindication,
	assessment, limitation and precutions
52	Aesthetic surgery of breast
53	Breast reconstruction and Breast implants
54	Lasers in plastic surgery
55	Surgical anatomy of lymphatics of lower limb. Discuss management
	of filarial lymphoedema of lower limb
56	Classify congenital deformities of ear, out line management of
	microtia
57	Nose reconstruction
58	Reconstruction of cheek following cancer excision
59	Aesthetic Rhinoplasty
60	Fontal surgery