TILAK AYURVED MAHAVIDYALAYA

583/2, RASTA PETH, PUNE

Academic Term Planner -PG

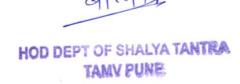
Course/Class: PG Preliminary Batch: Academic year 2024-2025

Subject: Shalyatantra (FUNDAMENTAL PRINCIPLES AND APPLIED ASPECTS OF SHALYA TANTRA)

Name of the Shalyatantra Departmental Faculty:

1.	Dr Nandkishor Borse	Professor & HOD
2.	Dr Nitin Nalawade	Professor
3.	Dr Dhanaraj Gaikawad	Associate Professsor
4.	Dr Dipak Poman	Associate Professsor
5.	Dr Vinod Sheth	Assistant Professor
6.	Dr Omkar Jyotik	Assistant Professor
7.	Dr Shruti Jondhale	Assistant Professor
8.	Dr. Monali Deshmukh	Assistant Professor

Point No.	Content	Lecture Hours
Part A		
1	Etymology, Definition, Scope and Importance of Shalya Tantra.	01
2	Study of Sushruta Samhita Sutra Sthana from 1st to 29th chapter.	15
3	Study of modern surgical clinical methodology.	01
4	Applied anatomy, physiology and surgical pathology of common surgical conditions including relevant Ayurvedic aspects.	02
5	Applied aspect of Shat Kriyakala in the pathogenesis of surgical diseases	01
6	Applied aspect of Prakriti in understanding the causes and role of treatment in surgical diseases.	01
7	Applied aspect of basic principles of Ayurveda in Rogi Pariksha (Trividha, Shadvidha, Ashtavidha and Dashavidha Pariksha).	03
8	Concept and applied aspect of Sadhya-Asadhya (Prognosis) - Arishtha lakshana.	01
9	Marma Sharira – Etymological derivation, definition, basic concept of Marma, origin, classification, Pramana. Consequences of Marmaghata and their management.	05
0	Concept of Shock - Its varieties, etiopathogenesis and management – Cardiopulmonary resuscitation (CPR), Endo-tracheal intubation and Tracheostomy. Drug reactions and Anaphylaxis – Management.	05
11	Basics of Fluid, Electrolyte, Acid Base Balance and Nutrition	05
12	Antibiotics, Analgesics, Anti-inflammatory and Emergency drugs in surgical practice.	03
13	Surgical Emergency conditions and its management.	03
14	Sushruta's concept of Rakta. Raktasrava – Haemorrhage – Types, Patho-physiology, clinical features and management. Concept of Raktastambhana – Haemostasis. Bloodtransfusion – Indications, blood groups, components, compatibility and complications with management.	03
15	Medico-legal aspects in Surgery. Knowledge of documentation and record keeping.	01
Part B		



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16	Knowledge of ancient and recent Yantra and Shastra – Surgical instruments and	10
	their application in surgical practice.	-
17	Asepsis and Antisepsis. Sterilisation (Nirjivanukaran) - methods and types.	05
18	Surgical infections – Sepsis, Cellulitis, Erysepelas, Tetanus, Gas gangrene. Handling and care of HIV and Hepatitis positive patients. Knowledge of conditions like Bacteraemia, Septicaemia, Toxaemia and Pyaemia	10
19	Sangyaharan / Anesthesiology - Types, methods, indications, contraindications,	05
	complications and its management.	02
20	Trividha Karma – Purva, Pradhan and Pashchat Karma. Modern principles of preoperative and post-operative care.	02
21	Ashtavidha Shastra Karmas.	03
22	Bandhana Karma – Recent advances.	01
23	Kshara Karma – Introduction, types, method of various preparations like Kshara, Kshara Varti, Kshara Pichu and applications	05
24	Kshara Sutra – Method of preparation, standardization and applications.	01
25	Agnikarma – Introduction, types and applications.	02
26	Raktamokshana – Introduction, types and applications.	02
27	Application of Panchakarma therapy in surgical practice.	02
28	Scope of Pathya-Apathya in the management of surgical diseases.	02

Practicals

Point	Content	
No.		
1	Hospital duties in OPD, IPD, OT and Casualty.	
2	Case record – 50 cases.	
3	Surgical cases – Observing/Assisting/Performing- 50 cases.	
4	Knowledge of instruments required in surgical practices.	
5	Ayurvedic and Modern diagnostic and therapeutic procedures.	
6	.Fluid therapy and blood transfusion.	
7	Contraception and sterilizations.	
8	Pre-operative, operative and post operative procedures.	
9	Practical training of local Anaesthesia.	
10	Interpretation of Imaging techniques.	
11	Practical knowledge of Yogya vidhi – Experimental surgery and Simulators	