

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:

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|-------------------------|---------------------|
| 1. Dr Nandkishor Borse | Professor & HOD |
| 2. Dr Nitin Nalawade | Professor |
| 3. Dr Dhanaraj Gaikawad | Associate Professor |
| 4. Dr Dipak Poman | Associate Professor |
| 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
10	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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HOD DEPT OF SHALYA TANTRA
TAMV PUNE

16	Knowledge of ancient and recent Yantra and Shastra – Surgical instruments and their application in surgical practice.	10
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, complications and its management.	05
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 No.	Content
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