

Surgical Training or Teaching Methods in Susrutha Samhitha.

1. Contribution of Brihatrayi and Laghutrayi to Shalya Tantra. - Yantras and Shastras – ancient and recent; Trividha Karma – Purva, Pradhan and Pashchat Karma. Importance of trividha karma; Ashtavidha Shastra Karma – Critical knowledge and their application in surgical practice; Suturing materials, appropriate use of sutures, drains, prosthetic, grafts and surgical implants; Concept of Marma; Concept of shock – Its varieties and management; Rakta srava – Types & clinical features. Concept of Raktastambhana – Haemostasis; Bandana – bandaging techniques.
2. Value of Research and Teaching in Surgery - Knowledge and importance of Surgical audit; Medico legal issues – Understanding the implications of acts of omission and commission in practice. Issues regarding Consumer Protection Act, medical profession, national health policy – Implications in a medico-legal case like accidents, assaults etc; Surgical ethics including Informed consent.
3. Anaesthesia Procedures, Complication and Management. - Nirjantukarana – Sterilization – Methods, Types and O.T.fumigation; Asepsis and Antisepsis; Surgical infections;
4. Scope of Shalya Tantra in Treating Proctological Disorders.
5. Scientific Re-Establishment of Parasurgical Procedures - Anushalya Karma –Parasurgical procedures a. Kshara Karma, Kshara Sutra, Agnikarma and Raktamoskhana.
6. Role of Panchakarma in Shalya Tantra.

Vishista Shalya Karma

1. Fluid, electrolyte, Acid Base Balance and Nutrition a. Introduction to physiology of fluids and electrolytes b. Dehydration and over hydration, c. Specific electrolyte losses and symptomatology and management of Acidosis, Alkalosis and Acid balance. d. Electrolyte changes are specific diseases like pyloric stenosis, intestinal obstruction and anuria. e. Various replacement fluids in surgery, mode of

- administration and complications. f. Nutrition – pre-operative, post-operative and intravenous alimentation.
2. Knowledge of imaging and diagnostic techniques – X-ray, Ultra Sonography, CAT scan, MRI and recent advances.
 3. Principle and Management of Soft Tissue Injury - Vrana – Wound ; Management of Nija Vrana, Agantuja Vrana, Dushta Vrana and Nadi Vrana. Vrana Chikitsa – Pathya-apathya and Shashti Upakramas, Varieties and management of Dagdha Vrana – Burn and scalds, Diabetic wound and its management, Gangrene
 4. Diagnosis and Surgical measures of diseases of Gastrointestinal system – stomach, pancreas, peritoneum, omentum, mesentery, retroperitoneal space, small intestine, large intestine and vermiform appendix
 5. Ano rectal diseases and their surgical management in Ayurveda
 6. Orthopaedics trauma - Diseases of bone and joints – Infection, congenital, exogenous diseases, generalized diseases, abscess, osteoporosis, Osteomyelitis, tumours of bones and chronic joint diseases. Aetiopathogenesis, treatment along with surgical procedures of fracture, dislocation and bone transplantation. Diseases of Spine, vertebral column and spinal cord.
 7. Complete Knowledge of Diseases, Causes and Surgical Procedures of Urogenital System Diseases. - Investigations of Mutravaha Srotas – urinary tract. Complete knowledge of pathogenesis, causes and surgical Procedures of Ashmari - urinary calculi and other disorders. Specific knowledge of swelling abscess, tumor, benign Hypertrophy of prostate, Mutraghata, Mutrakruccha and Traumatic injury of urinary system their causes, pathogenesis and Management. Penis Congenital, traumatic, inflammatory and neoplastic Disorders.
 8. Diagnosis and Surgical treatment of head injury, thoracic trauma, and abdominal trauma.
 9. Diagnosis and Surgical management of breast diseases.
 10. Diagnosis and surgical measures of diseases of Hepatobiliary system liver, gall bladder, bile ducts and spleen.

TEXT BOOKS/ REFERENCES:

1. Charaka Samhita. Ayurveda Deepika commentary by Chakrapani datta.Yadav T,Varanasi: Chaukhamba Orientalia;
2. Madhava nidana, madhukosha commentary,Varanasi: Chaukhamba Surabharati prakashan;
3. Sushruta Samhita, Dalhana.Chaukhamba Orientalia;Varanasi
4. The Surgical instruments of the Hindus - Girindranath Mukhopadhyaya
5. Bhagna Chikitsa - Dr. Prabhakar Janardhan Deshpande
6. Kshara sutra management in anorectal ailments - Dr. S.K. Sharma, Dr. K.R.Sharma and Dr. Kulwant Singh.
7. Anorectal diseases in Ayurveda - Dr. Sizoria and Dr. Praveen Kumar Chowdary.
8. Adhunka Shalya Chikitsa Siddanta - Dr. Katil Narshingham Udupa
9. Agnikarma Technology Innovation - Dr. P.D. Gupta
10. Recent advances in the management of - Dr. P. Hemantha Kumar
11. Recent advances in Kshara Sutra - Dr. M. Bhaskar Rao
12. Leech application in Ayurveda - Dr. M. Bhaskar Rao
13. Surgical ethics of Ayurveda - Dr. D.N. Pande
14. Text book of Surgery - Sabistan
15. Operative Surgery - Rob and smith
16. Bailey and Love's Short Practice of Surgery - Norman.S. Williams, Charles.V. Mann and R.C.G. Russell
17. Fractures and Joint Injuries - Watson-Jones
18. Text books of Operative Surgery - Farquharsons'
19. Principles of Surgery - Schwartz 5. Emergency Surgery -Hamilton Bailey's
20. Surgical pathology - Willing Worth
21. Clinical methods in surgery - S. Das
22. Textbook of Operative Surgery - S. Das
23. Concept of Vrana is Ayurveda - Dr. Lakshman Singh
24. Significance for Poorva Karma in Surgical Patient - Dr. Lakshman Singh
25. Drugs and Equipment for Anaesthesia - Arun kumar
26. Primary Anaesthesia - Maurice King
27. Synopsis of Anaesthesia – Lee
28. Clinical Anatomy/ Surgical Anatomy - John E.Skandalakis
29. Outline of Orthopedics - John Crawford Adams and David Hamblen. L
30. Outline of Fracture - John Crawford Adams