

Department of Shalya Tantra (Surgery)

Aligarh Ayurvedic Medical College & ACN Hospital

OVERVIEW

Shalyatantra a branch of Ayurveda which deals with Ayurveda surgery and provides a basic understanding of the principles of modern surgery. Area of strength in Ayurveda surgery is management of *Vrana*(wound). Surgery mainly deals with wounds, so *Maharshi Sushruta* has described a lot about *Vrana* (wound) in his text and its treatment. *Bhagna* (fracture and dislocation) and its *Chikitsa* (treatment), *Ksharasutra* use in many ano-rectal diseases like *Arsha* (hemorrhoids), *Bhagandara* (fistula in ano), Warts, tumors etc. Para surgical measures like *Jalaukavacharana* (leech therapy), *Alabu* (cupping therapy), *Agnikarma* (cauterisation), *Ksharakarma* for various diseases have been described in *Shalyatantra*.

Though modern surgery has advanced in leaps and bounds, the Ayurveda principles of pre and post-operative care still has relevance today. Judicious application of Ayurveda principles of surgical care can prevent complications and facilitate early recovery from surgical interventions. Ayurveda has historically made foundational contributions to the development of the branch of surgery. The practice of dissecting dead bodies to study anatomy, learning surgical procedures by practicing on dummies, development of sophisticated surgical instruments and the art of plastic surgery constitute the hallmark of classical Ayurveda surgery. *Maharshi Sushruta*, the Ayurveda surgeon of yore is revered today as the father of surgery.

Department of *Shalyatantra* is one of the clinical departments that teaches and trains the students of 3rd Prof. B.A.M.S. new course. In this department the students learn about the basics of surgery and para-surgical aspects given in Ayurveda as well as in current system of medicine. *Shalyatantra* is one of the distinct branches of *Ashtanga-Ayurveda*. Now a day's world is turning to Ayurveda for comprehensive treatment of diseases. Surgical knowledge and treatments of disease described in *Shalyatantra* can be researched and used in diseases with minimum complications and side effects. The parallel running hospital along with the Ayurveda medical college provides the basic surgical and all the lifesaving facility to the local area and the surrounding rural areas as well. Significant surgeries are like- Herniorraphy, herniotomy, hernioplasty, appendectomy, hydrocele, torsion of testis, vericocele etc. Teaching and training of general surgery as well of ano-rectal surgeries constitutes the surgical discipline. *Ksharasutra*(causticcauterizes), *Agnikarma* (thermocautery), *Raktamokshana* (bloodletting) are the outstanding para-surgical techniques practiced. The knowledge of ancient principles of longevity of Ayurveda in regard to surgical and para-surgical concept of diseases, their treatment and betterment of patients is also taught during the course. Our department of surgery is up to the mark to fulfil the teaching and training requirement for our student of final Prof. of BAMS. We have sufficient resources to complete the knowledge of our students. The surgical unit is fully equipped and is in excellent clinical working condition. The operation theatres and wards are fully hygienic to manage all types of emergencies round the clock.

In this department students learns about–

- The surgical aspect of the body both anatomically and pathophysiologically are taught. Significant surgeries like Hernioraphy, Herniotomy, Hernioplasty, Appendectomy, Hydrocele, Torsion of Testis, Vericocele and Anorectal surgeries.
- *Ksharakarma* – like *Kshara*, *Ksharavarti* etc. and applications. Moreover method of preparation, Standardization and applications.
- *Agnikarma* – Introduction, types and applications.
- *Raktamokshana* & Leech therapy- Introduction, types and applications.
- *Yantra* and *Shastra* – Ancient and recent.
- Concept of *Trividha Karma* – *Purva*, *Pradhan* and *Paschat*.
- *Ashtavidha Shastra Karmas*
- Basic knowledge of *Sanjnaharna* – Anesthesia, types, methods etc.
- Wound management unit for All type of chronic ulcer like diabetes, varicose ulcers etc. with Ayurveda procedures.

AIM–

- To study fundamental principle describe by the *Sushrutasamhita* in the management of all types of surgical procedures-
- To give faster relief to the patients
- To treat *Arbuda*, *Ashmari* and various types of surgical disorders
- To develop Ayurveda surgical procedures without giving any harmful medicines
- To develop a wound healing technique with Ayurveda procedures and medicines

OBJECTIVES–

- To create a *Shalyachikitsaka* with heart of Ayurveda and hands of Surgeon.
- Have the basic knowledge of surgical principles described in *Shalyatantra* by various *Acharyas*.
- They will be able to diagnose and operate common surgical diseases according to Ayurveda and Modern medicine.

UTILITY–

- With the applicability to *Ksharsutra* in various anorectal disorders can be treated more successfully compared to surgical excision.
- Treatments to various diseases through para-surgical measures like – *Agnikarma* & *Raktamokshana*.

FACILITIES–

- Well-developed outdoor and indoor patients' departments
- Established minor and major operation theatre
- Para-surgical procedure unit
- Wound management clinic

- Departmental library which contains- Numerous Ayurveda and allopathic surgical text books, reference books, Mannequins dummies for basic trauma life support course and cardio pulmonary resuscitation.
- Museum which contains specimens of diseased organs.
- *Yogya, Sanjnaharana* models and charts.

RESEARCH SCOPE–

- To establish specific parasurgical unit like – *Agnikarma* unit, *Raktamokshana* unit.
- To conduct different type of practical workshops for *Ksharasutra karma*.

DEPARTMENTAL ACTIVITIES-

- Allopathic surgeons in laparoscopy, endoscopy and coloscopy are invited for special lectures and demonstrations.
- Various medical camps at rural area of Aligarh.