

Ph. D. Curriculum

Theme 1 : **Garbha Evam Garbha vyakaran Sharir**

- A. Garbha sharir
 - Etymology of GarbhavakrantiShaarira, features of Shukra and Shonita, description of Beeja, Beejbhaga, Beejbhagavyava and Garbhotpadakabhava, GarbhaPoshanaKrama, GarbhavridhdhikarBhav, MasanumashikiGarbhavriddhi, Foetal circulation. Explanation of lakshana occurring in Ritumati, Sadhyah Grihita Garbha. Yamal garbha, Anasthigarbha.
 - Knowledge of basic facts in advancement in Anuvanshiki (Genetics) and Garbhajavikara (Teratology)
- B. Embryology
 - Explanation of Basic Embryology, and Systemic embryology.
- C. . Male and Female reproductive system.
 - Gross., Microscopic and applied anatomy of all organs of Male and Female reproductive system.
- D. Kala Shaarira
 - Etymology, Definition, description of Seven Kala with their Modern component and applied aspects.
- E. Paribhasha Shaarira
 - Snayu, Kandara, Rajju, Sanghata, Jala etc. and their general description.

Theme 2 : **Koshthanga Sharir**

- A. Koshthanga Shaarira
 - Detail etymological derivation of 'Koshtha' and Koshthanga, including detail study of structure of each Koshthanga.
- B. Ashaya sharir
 - Definition, detail description
- C. Digestive system
 - Gross., Microscopic and applied anatomy of all organs of Digestive system
- D. Respiratory System
 - Gross., Microscopic and applied anatomy of all organs of Respiratory System
- E. Urinary system
 - Gross., Microscopic and applied anatomy of all organs of Urinary system

Theme 3 : **Sira Dhamni Strotas and Marma Sharir**

- A. Sira, Dhamani and SrotasShaarira: -
 - Etymological derivation, definitions, synonyms, number and types of Sira, Dhamani and Srotas, anatomical differences among Sira, Dhamani and Srotas, description of Vedhya and AvedhyaSira (Puncturable and Non puncturable Veins) and clinical importance of Sira, Dhamani and Srotas including Modern Anatomical counterparts

B. Cardiovascular system

- Gross, Microscopic and applied anatomy of all organs of Cardiovascular system and Lymphatic system

C. Marma Shaarira:-

- Derivation and definitions of the term Marma and their features, characteristics and number of Marma according to Sushruta Divisions of Marma on morphological basis (RachanaBheda), Shadangatvam (Regional), Abhighataja (Prognostic) classification, Trimarma according to Charaka. Knowledge of 'Marmaabhighata', MarmaViddha, Detailed study of individual marma with their clinical and Surgical importance. Importance of Marma in Shalyatantra.

Theme 4 : Asthi Sandhi & Peshi Sharir

A. Asthi Shaarira

- General introduction and description of Asthi, differences among number of Asthi.
- Types of Asthi. Detail study of each bone with its ossification & Applied anatomy.

B. Sandhi Shaarira

- Etymological derivation, description, features, number, types and Applied anatomy of all Sandhi (joints).

C. Peshee Shaarira

- Etymological derivation, description, features, number, types and Applied anatomy of all Peshee (Muscles).

Theme 5 : Uttamangiya Sharir Evum Granthi Sharir

A. Sensory organs

- Description of Panchgyanendriya – Ayurved and Modern aspects. (Sensory organs (Eye, Ear, Nose, Tongue and Skin with their Applied anatomy).

B. Shat Chakra –

- Location and significance in Yoga. Description of Ida, Pingala, Sushumnanadi.

C. Nervous system

- Anatomy of brain and spinal cord, Peripheral nervous system (explanation of Nerve Plexuses and peripheral nerves, Cranial nerves and Autonomic nervous system, Cerebro-spinal fluid, Venous sinuses of Brain, Ventricular system of Brain, Blood supply of Brain, Meninges with Applied Anatomy.

D. Granthi sharir(Endocrinology)

- Detail study of Exocrine & Endocrine glands.