

Syllabus for Ph.D in Rachana Sharir

GARBHA SHAARIRA

1. Etymology of Garbhavakranti Shaarira, features of Shukra and Shonita, description of Beeja, Beejbhaga, Beejbhagavyava and Garbhotpadakabhava, Garbha Poshana Krama, Garbhavridhdhikar Bhav, Masanumashiki Garbhavriddhi, Foetal circulation. Explanation of lakshana occurring in Ritumati, Sadhyah Grihita Garbha.
Yamal garbha, Anasthi garbha.
2. Explanation of Basic Embryology, and Systemic embryology.
3. Knowledge of basic facts in advancement in Anuvanshiki (Genetics) and Garbhajavikara (Teratology).

KOSHTHANGA SIRA DHAMANI SROTAS SHAARIR

- 1) **Koshthanga Shaarira:** - Detail etymological derivation of 'Koshtha' and Koshthanga, including detail study of structure of each Koshthanga. Male and Female genital organs.
- 2) **Ashaya:** - Definition, detail description.
- 3) **Kala Shaarira:**-Etymology, Definition, description of Seven Kala with their Modern component and applied aspects.
- 4) **Paribhashika Shaarira:** - Snayu, Kandara, Rajju, Sanghata, Jalaetc. and their general description.
- 5) **Sira, Dhamani and Srotas Shaarira:** - Etymological derivation, definitions, synonyms, number and types of Sira, Dhamani and Srotas, anatomical differences among Sira, Dhamani and Srotas, description of Vedhya and Avedhya Sira (Puncturable and Non puncturable Veins) and clinical importance of Sira, Dhamani and Srotas including Modern Anatomical counterparts.

Marma Shaarira Evum Asthi Sandhi Peshee Shaarira

- 1) **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 (Rachana Bheda), 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.
- 2) **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.
- 3) **Sandhi Shaarira :-** Etymological derivation, description, features, number, types and Applied anatomy of all Sandhi (joints).
- 4) **Peshee Shaarira :-** Etymological derivation, description, features, number, types and Applied anatomy of all Peshee (Muscles).

Tantra Shaarira Evum Antah and Bahih Granthi Vigyaniya

1. Description of Panchgyanendriya – Ayurved and Modern aspects. (Sensory organs (Eye, Ear, Nose, Tongue and Skin with their Applied anatomy).
2. Shat Chakra - Location and significance in Yoga. Description of Ida, Pingala, Sushumna nadi.

3. 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).
4. AntahSravi Granthi and BahihSravi Granthi: -Detail study of Exocrine & Endocrine glands.

REFERENCE BOOKS:

- Relevant matters of Brihatrayee and Laghutrayee
- PratyakshaShariram - Gananath Sen
- AbhinavaShariram - Damodar Sharma Gaur
- Parishadyam Sabdartha Shariram - Damodar Sharma Gaur
- Brihat Shariram - P S Varier
- Shiva Samhita
- Gray's Anatomy - Latest Edition
- Human Anatomy - B D Chaurasia
- Cunnigham's Companion to Manual of Practical Anatomy. Vol. I, II & III
- Developing Human - Keith L Moore & Persaud
- Clinically oriented Anatomy - Keith L Moore
- Clinically oriented Neuro Anatomy - Richard Snell
- Surface and Radiological Anatomy - Halim
- Grant's Methods of Anatomy - Grant
- Grant's dissector - Grant
- Human Embryology - I. B. Singh
- Ayurvediya Human Anatomy - G. M. Kanthi
- A textbook of Marmavigyan - B. Vijayasaradhu Naidu
- Current trends in the study of Sharir - D.G. Thatte
- Marma & its management - J. N. Mishra
- Ayurvedic concepts of Human embryology - Abhimanyu Kumar
- Embryology in Ayurveda - D.G. Thatte
- Sharira Rachana Vigyan - D.G. Thatte