M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054

RAMAIAH UNIVERSITY OF APPLIED SCIENCES

PO, PSO & CO

Programme: MD in Anatomy

Programme Code: 127

Programe Outcome (PO)

Programe Specific Outcome (PSO)

Course Outcomes (CO)

M.S. Ramaiah University of Applied Sciences ★ Bangalore - 560054 ★

Shalini

Principal and Dean

Ramaiah Medical College and Hospital

Bangalore-560054

Ramaiah Medical College (RMC)

Programme Outcomes

Post Graduate Programme: MD in Anatomy

Programme Outcomes (PO) for MD Anatomy Postgraduate students should:

Po1. Have acquired the competencies pertaining to the subject of human anatomy that are required to be practiced at all levels of health system.

Po2. Have acquired skills of integrating human anatomy with other disciplines as and when needed.

Po3. Be aware of contemporary advances and developments in the field of anatomy.

Po4. Be oriented to the principles of research methodology, conduct a project and submit thesis.

Po5. Have acquired qualities of a good teacher capable of innovations in teaching methodology.

Po6. Have acquired skills in effectively communicating with the students and colleagues from various medical and paramedical fields.

Po7. Be able to demonstrate adequate management skills to function as an effective leader of the team engaged in teaching and research.

Po8. Be able to discharge responsibilities and participate in national health education programme.

Programme Specific Outcomes (PSOs)

Programme specific outcome (PSO) for MD Anatomy Postgraduate students:

PSO1. Demonstrate comprehensive knowledge and dissection skills of normal disposition, relations, functional & cross-sectional anatomy and surface anatomy of human body and recent advances.

PSO2. Correlate the human anatomical structures with disease processes.

PSO3. Demonstrate comprehensive knowledge of microscopic structure of human tissues & organs with functions to recognise altered state in various disease processes.

PSO4: Perform various skills involved in histological techniques for preparation of slides.

PSO5. Explain the sequential development of the organ systems & embryological basis of various major congenital anomalies and the principles of genetics in normal karyotyping, identify various karyotypes, principles of pedigree analysis, genetic counseling.

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PSO6. Demonstrate skills involved in preservation of cadavers through various embalming techniques & museum techniques.

PSO7. Apply legal aspects with respect to anatomical acts to procure cadavers & demonstrate ethical behavior while handling cadavers, recognise continuing educational needs.

Course Outcomes (COs)

Course Title & Code: Gross Anatomy (MDC501A)

At the end of the course, the students should be able to:

CO-1.	Demonstrate comprehensive knowledge of normal disposition, relations, functional & cross-sectional anatomy of human body (Above the diaphragm) & the anatomical basis of disease process.
CO-2.	Explain the sequential development of the organ systems (Above the diaphragm) & embryological basis of various major congenital anomalies involved.
CO-3.	Demonstrate comprehensive knowledge of microscopic structure of human tissues & organs (Above the diaphragm) with their functions.
CO-4.	Interpret the various anatomical features of human body in various radiograms, CT and MRI scans (Above the diaphragm)
CO-5.	Demonstrate the surface anatomy of various structures of human body (Above the diaphragm)
CO-6.	Demonstrate skills involved in preservation of cadavers through various embalming techniques & museum techniques.

Course Outcomes (COs)

Course Title & Code: Embryology, microscopic Anatomy of human Genetics (MDC502A)

At the end of the course, the students should be able to:

CO-1.	Demonstrate comprehensive knowledge of General Anatomy & normal disposition, relations, functional & cross-sectional and radiological anatomy of human body (Below the diaphragm) & the anatomical basis of disease process.
CO-2.	Explain the general embryology & sequential development of the organ systems (below the diaphragm) & embryological basis of various major congenital anomalies involved.
CO-3.	Demonstrate comprehensive knowledge of microscopy & ultrastructure of basic human tissues & organs (Below the diaphragm) with their functions
CO-4.	Interpret the various anatomical features of human body in various radiograms, CT and MRI scans (Below the diaphragm)
CO-5.	Demonstrate the surface anatomy of various structures of human body (Below the diaphragm
CO-6.	Perform basic H and E staining of tissues.

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Course Outcomes (COs)

Course Title & Code: Neuroanatomy (MDC503A)

At the end of the course, the students should be able to:

- **CO-1.** Dissect brain and spinal cord, sections of brain and spinal cord and different parts
- **CO-2.** Explain Anatomical basis for Neurological disorders.
- **CO-3.** Apply the principles of genetics in normal karyotyping, identify various karyotypes, principles of genetic counselling.

Course Outcomes (COs)

Course Title & Code: Applied human Anatomy and recent advances (MDC504A)

At the end of the course, the students should be able to:

- **CO-1.** Update their knowledge regarding recent advances and developments in anatomy.
- **CO-2.** Critically review journal articles
- **CO-3.** Apply legal aspects with respect to anatomical acts to procure cadavers & ethical behavior while handling cadavers.

Course Outcomes (COs)

Course Title & Code: Thesis- Anatomy (MDP501A)

At the end of the course, the students should be able to:

- **CO-1.** Conduct a research study using principles of research methodology

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Registrar
M.S. Ramaiah University of Applied Sciences
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