



# Sree Gokulam Medical College & Research Foundation

(A Unit of Foundation of Non-Resident Indians)

Approved by National Medical Commission, Affiliated to Kerala University of Health Sciences

Accredited by NABH & NABL

## Program: MD Anatomy

### Program Educational Objectives:



**PEO1:** Specialist competent in imparting anatomy knowledge and skills in all healthcare settings.

**PEO 2:** Leader and member of the healthcare and medical education teams.

**PEO 3:** Communicator with students, faculty and other professionals.

**PEO 4:** Lifelong learner continuously updating oneself as an educator and researcher.

**PEO 5:** Professional committed to excellence, accountable and ethical.



DR MAMATA CHIMMALGI MBBS, MS (Anatomy)  
Professor & Head, Department of Anatomy  
Sree Gokulam Medical College &  
Research Foundation, Trivandrum  
TCMC Reg. No. 44079



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## Program Outcomes:

### PO1: Competence in Anatomy:

Demonstrate advanced understanding and necessary skills involved in gross anatomy, microscopic anatomy, clinical anatomy, developmental anatomy, neuroanatomy, surface anatomy, imaging techniques and features, genetics, procurement, embalming and preservation of human cadavers.

### PO2: Planning and problem solving skills:


Participates actively in decision making during departmental activities. Demonstrates ability to identify system failure and suggests measures for safety or improvement.

### PO3: Communication skills:

Demonstrate the ability to listen and communicate in a non-judgemental manner with students, faculty, non-teaching staff and other professionals. Demonstrates ability to encourage participation from the students.

### PO4: Research attribute:

Demonstrates orientation to the research methodologies. Demonstrates capability to successfully conceptualise, plan and conduct a research project, prepare for poster/oral presentation and write a scientific article. Demonstrate the ability to assimilate or generate new evidence through research and utilise the same judiciously in medical education and health care.

  
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## PO5: Adhere to ethical, legal and professional standards:

Demonstrates professional responsibility towards duties in the department, adhere to universal code of ethics when dealing with students and research, and demonstrates awareness of medico-legal implication. Demonstrates honesty, integrity, empathy and compassion in teaching or in the care of biological tissues.

## PO6: Lifelong learner:



Demonstrates awareness of the advancements in the field of Anatomy and is able to apply the knowledge in day-to-day work. Demonstrates ability to learn new skills and evolving knowledge, and apply the knowledge in education, research, in personal and professional growth. Demonstrates self-motivation and awareness of self-limitation. Demonstrates digital literacy to practice evidence based research and in medical education.

## PO7: Leadership qualities:

Demonstrate the ability to work as a leader and a team member in the departmental activities and when collaborating with other disciplines or professionals.

## PO8: Social accountability:

Demonstrates commitment, honesty and integrity. Adheres to relevance, quality and cost-effectiveness when involved in the departmental activities.



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## **PO9: Environment and sustainability:**



Understands the effect of professional decisions on the environment and demonstrates the understanding of a need for sustainable development.

## **PO10: Medical education:**

Demonstrates basic understanding of principles of medical education. Demonstrates necessary knowledge, skills and attitude to teach anatomy, and capability of improving and innovating teaching methodologies when needed. Demonstrates ability to use various teaching-learning and assessment methods in imparting anatomy knowledge.

## **PO11: Interdisciplinary collaboration:**

Demonstrates capability to integrate anatomy with other disciplines and programs. Demonstrates ability to apply the anatomy knowledge in clinical setting.



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## Course outcomes (CO)

CO No.	Course Outcome	Mapped PO
ANAMD101.1	Demonstrates knowledge, dissection skills and ability to teach gross anatomy, cross-sectional anatomy, surface anatomy, radiological anatomy, osteology, neuroanatomy using appropriate teaching-learning methods to medical and paramedical students.	PO1, PO2, PO3, PO4, PO6, PO10, PO11
ANAMD101.2	Demonstrates knowledge, skills and attitude for procuring, embalming and preserving human cadaver, and understanding of Anatomy act and body donation program.	PO2, PO3, PO5, PO6, PO7, PO8, PO9, PO11
ANAMD101.3	Describes and demonstrates microscopic features of human tissue/organs, common histological and histochemistry techniques, knowledge about different types of microscopes	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9, P10, PO11
ANAMD101.4	Describes embryological processes, anatomical and molecular basis for congenital anomalies, basic principles of genetics, patterns of inheritance, genomic imprinting, understanding of chromosomal / genetic anomalies, genetic techniques, assisted reproduction, genetic counselling, prenatal diagnosis and ethics in genetics	PO1, PO2, PO3, PO4, PO5, PO6, PO9, P10, PO11
ANAMD101.5	Demonstrates knowledge of anatomical / embryological / genetic basis for clinical presentations and management. Demonstrates ability to integrate teaching anatomy with other disciplines.	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO11
ANAMD101.6	Demonstrates knowledge in research methodology, biostatistics and ability to conceptualise, plan and conduct a research project.	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO11

  
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## PEO - PO Matrix

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
PEO1	3	3		3						3	3
PEO2		3					3				
PEO3			3								3
PEO4				3		3				3	
PEO5					3			3	3		

  
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## CO-PO- Mapping

Course & Code	CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
		Anat Comp	Planning & Problem solving	Communication skills	Research Attributes	Ethical, Professional, Legal	Lifelong learner	Leadership	Social accountability	Environment & sustainability	Medical Education	Inter-disciplinary Collaboration
Anatomy ANA101	ANAMD 101.1	3	3	3	3		3	-	-	-	3	3
	ANAMD 101.2		3	3		3	3	3	3	3		3
	ANAMD 101.3	3	3	3	3	3	3	-	-	3	3	3
	ANAMD 101.4	3	3	3	3	3	3	3		3	3	3
	ANAMD 101.5	3	3	3	3	3	3	3	3	3		3
	ANAMD 101.6	3	3	3	3	3	3	3	3	3		3
<b>Average Score</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
Sum		15	18	18	15	15	18	12	9	15	9	18
Item		5	6	6	5	5	6	4	3	5	3	6

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