

DEPARTMENT OF ANATOMY

1. About us:

The Anatomy Department of Thanjavur Medical College has a rich legacy of excellence in teaching, research, and innovation since its inception. Knowledge of Anatomy forms a strong foundation for whole of medicine.

The faculties of Anatomy Department are imparting detailed and complete knowledge of Human Anatomy from microscopic to macroscopic stratum which includes Gross Anatomy, Osteology, Histology, Embryology, Cross Sectional Anatomy, Genetics, Surface Anatomy, Radiological Anatomy and Clinical Anatomy to both undergraduate and postgraduate students. The teaching methodologies followed for undergraduate students are Dissection, Demonstration, Case-based learning, small group discussion, early clinical exposure, self-directed learning, symposia, and integrated sessions. The Anatomy department provides high quality education, training and research opportunities in Human Anatomy, empowering students to become competent healthcare professionals.

The Department of Anatomy is equipped with a spacious dissection hall with an embalming room, well equipped Histology laboratory, Museum with a vast collection of anatomical specimens and models, Research laboratory, Demonstration rooms and Library. The department encourages research activities among the faculties and students, focusing on various aspects of human Anatomy including morphometry, neuroanatomy, and embryology. Faculty members have published numerous research articles in indexed national and international journals. Faculties and postgraduates have presented numerous research projects as Posters and papers in various National Conferences.

CMEs are being conducted by the department from time to time. Intercollege quiz competition- Vesaliquiz for undergraduate students has been conducted by the department. Art competition, poster presentation, Essay writing, poetry competition, Photography, and Model making competitions have been conducted by the department for undergraduate students on the eve of World Anatomy Day.

Embalming process of cadavers is done in this department in accordance with the Anatomy act. The embalmed bodies are utilized for study purposes and research activities of both undergraduate and postgraduate students. Registration for voluntary body donation after death is encouraged among the public by the Anatomy department.

MD Anatomy postgraduates are given an advanced training in human Anatomy by means of lectures, Dissection and Small group discussions. Seminars and journal club presentations are organized for postgraduates routinely. Mentored research projects are allotted to the postgraduates. Histotechnique procedures are taught to the postgraduates.

In addition to MBBS students and MD/MS/DM/Mch postgraduates, the department teaches Anatomy to Paramedical students pursuing BSc Allied Health Sciences, Diploma in Pharmacy, Diploma in Optometry, Diploma in Radiation Technology and Diploma in Radio- Diagnosis Technology.

Horizontal and Vertical integration classes are organized periodically for MBBS students. Third Professional year MBBS Students who opt Anatomy for their elective postings can get trained in any of the following postings- Comprehensive window Dissections of lower limb, Surgical Anatomy of Anterior Abdominal wall, Neuroanatomy& its clinical implications and Cytogenetics-Basics of Karyotyping.

Guest lectures by renowned healthcare professionals is being organized by the department regularly.

The Anatomy Department at Thanjavur Medical College is a center of excellence in Anatomy education and research with a commitment to produce skilled and knowledgeable healthcare professionals. With its vast infrastructure, experienced faculty and innovative curriculum, the department continues to inspire and shape the future of medical education.

2. Department academics:

1. Ist MBBS:

- a. MBBS - 150 students per year
- b. Theory and Dissection classes daily from 8.00 am – 11.00 am.
- c. Early clinical exposure classes for 1st Professional year students on Saturdays
- d. Elective postings on Neuroanatomy & its clinical implications , Comprehensive window dissection of lower limb , Surgical anatomy of anterior abdominal wall and Cytogenetics – Chromosomes and Basics of Karyotyping for III Professional year students.

2. M.D.

- a. MD(Anatomy) – 3 students per year
- b. Theory
- c. Dissection and Discussion
- d. Symposium
- e. Journal Club
- f. Group Discussion
- g. Histotechniques
- h. Histology slide discussion
- i. OSCE
- j. Viva
- k. Seminar
- l. Guest Lectures

3. B.Sc Technician courses:

- B.Sc Accident and Emergency Care Technology – 20 students per year
- B.Sc Cardiac Technology – 20 students per year
- B.Sc Critical Care Technology – 20 students per year
- B.Sc Dialysis Technology – 20 students per year
- B.Sc Neuroelectrophysiology – 5 students per year
- B.Sc Operation Theatre and Anesthesia Technology – 20 students per year
- B.Sc Physician Assistant – 20 students per year
- B.Sc Radiotherapy Technology – 5 students per year
- B.Sc Radiography and Imaging Technology – 20 students per year
- B.Sc Respiratory Therapy – 20 students per year
 - a. Theory
 - b. Practicals
 - c. Tutorials

4. Diploma Courses:

- Diploma in Pharmacy – 60 students per year
- Diploma in Optometry – 20 students per year
- Diploma in Radiodiagnosis Technology – 10 students per year
- Diploma in Radiotherapy Technology – 5 students per year
 - a. Theory
 - b. Practicals
 - c. Tutorials

3. Infrastructure :


- a. Lecture hall – 1
- b. Demo rooms -- 2 (60 sq m. each)

- c. Museum – 1
- d. Dissection hall to accommodate 150 students – 350 sq.m.
- e. Embalming room – 15 sq.m.
- f. Storage tanks – 10
- g. Cooling cabinets
- h. Bone Room - 1
- i. Histology lab with preparation room – 250 sq.m.
- j. Research Lab – 300 sq.m.
- k. Virtual Reality Teaching
- l. Histophotomicroscopy
- m. Department Library – 1 (50 sq.m)

4. Faculty details:

S.No	Name	Designation	Qualification	TNMC registration number	email ID	Photo
1	Dr.T.Sivakami	Professor and Head	M.S.(Anatomy)	45598	sivakamimeera@gmail.com	
2	Dr.S.Sumathi	Associate Professor	M.S.(Anatomy)	46173	tnjsumathi@gmail.com	
3	Dr.A.Senthamizchelvan	Assistant Professor	M.D.(Anatomy)	51572	stamil1969@gmail.com	

4	Dr.A.Stella Mary	Assistant Professor	M.D.(Anatomy)	51032	dr.stellamary@gmail.com	
5	Dr.K.Pushpa	Assistant Professor	M.D.(Anatomy)	77675	pushanat4@gmail.com	
6	Dr.R.Shalini	Assistant Professor	M.D.(Anatomy)	74910	shaliniulags@gmail.com	
7	Dr.M.Jeyaprabha	Assistant Professor	M.D.(Anatomy)	80091	jeyaezhil@gmail.com	
8	Dr.R.Kalaichelvi	Tutor	M.B.B.S.	75889	kalaichelvi.dks@gmail.com	

9	Dr.A.Suganya Jansi	Tutor	M.B.B.S.	105862	suganjesus.jansi @gmail.com	
10.	Dr. S.B.Gokula Nayagi	Tutor	M.B.B.S.	157362	drgokusub24@ gmail.com	

5. Publication details by the faculty :

S.No	Name	Designation	Title	Journal name	Month year of publication	Order of author	Type of article
1.	Dr. T. Sivakami	Professor and HOD	Prevalence of Duodenal diverticulum in South Indians – a cadaveric study	International Scholar Research Note (ISRN) Anatomy	November 2013	Third	Research Article
2.	Dr. T. Sivakami	Professor and HOD	A gross morphological study of the pancreas in human cadavers	National Journal of Clinical Anatomy	April 2012	second	Research Article
3.	Dr. T. Sivakami	Professor and HOD	Gross morphology of major and minor duodenal papilla: A cadaveric study	National Journal of Clinical Anatomy	April 2013	Third	Research Article
4.	Dr. T. Sivakami	Professor and HOD	Elongated styloid process a cause of cervical pain	National Journal of Clinical Anatomy	September 2014	second	Case report
5.	Dr. T. Sivakami	Professor and HOD	Accessory spleen supplied by left gastric artery – a case report	International Journal of Anatomical Variations	February 2013	Third	Case report
6.	Dr. T. Sivakami	Professor and HOD	Primary neuroendocrine carcinoma of breast: A case report and review of literature	Archives of International Surgery	March 2015	Fourth	case report and review of literature
7.	Dr. T. Sivakami	Professor and HOD	Unilateral duplication of parotid duct	Italian Journal of Anatomy and Embryology	December 2016	second	Case report
8.	Dr. T. Sivakami	Professor and HOD	Partial absence of rectus abdominis	International Journal of Anatomical Variations	February 2016	second	Case report
9.	Dr. T. Sivakami	Professor and HOD	Gross morphological study of the renal pelvicalyceal patterns in human cadaveric kidneys	International Journal of Urology	March 2017	Third	Research Article

10.	Dr. T. Sivakami	Professor and HOD	Morphological variations of suprascapular notch in the population of eastern delta region of Tamilnadu	International Journal of Anatomy and Research	January 2017	Fourth	Research Article
11.	Dr. T. Sivakami	Professor and HOD	Gross anatomical variations in the Thebesian Valve covering the coronary sinus ostium: a case study	International Journal of Current Research and Review	June 2016.	Third	Research Article
12.	Dr. T. Sivakami	Professor and HOD	Prevalence and patterns of cracker blast injuries of the hand	International Journal of Surgery	June 2016	second	Research Article
13.	Dr. T. Sivakami	Professor and HOD	Myoid hamartoma breast with pseudo angiomatous stromal hyperplasia: a case report and review of literature	International Journal of Surgery	September 2016	second	Case report and Literature review
14.	Dr. T. Sivakami	Professor and HOD	A Cadaveric study of Internal Branch of Superior Laryngeal Nerve	International Journal of Scientific research	September 2019	second	Original article
15.	Dr. T. Sivakami	Professor and HOD	Role of nano fiber scaffolds in wound healing	European Journal of Scientific research	December 2019.	second	Original article
16.	Dr. T. Sivakami	Professor and HOD	Impact of interleukin 6 in the management of lymphoedema	Indian Journal of Research	November 2019	second	Original article
17.	Dr. T. Sivakami	Professor and HOD	A study of histogenesis of thymus in human foetus	International Journal of Anatomy and Research	August 2019	second	Original article

18.	Dr. T. Sivakami	Professor and HOD	Rare Presentation of Hydrocele of the Canal Nuck with Myoma Uterus	International Journal of Medical Sciences and Advanced Clinical research	April 2020	Third	Case study
19.	Dr. T. Sivakami	Professor and HOD	Scar endometrioma: A surgeon's perspective and Review of Literature	International Journal of Medical Sciences and Advanced Clinical research	April 2020	second	Review of Literature
20.	Dr. T. Sivakami	Professor and HOD	A Study on Histogenesis of Human Foetal Adrenal Cortex	International Journal of Academic Medicine and Pharmacy	August 2023	second	Research article
21.	Dr. T. Sivakami	Professor and HOD	A morphometric study of typical and atypical lumbar vertebrae in South Indian population	Acta Medica International	June 2023	Third	Research article
22.	Dr. T. Sivakami	Professor and HOD	Anticancer activity of Argemone mexicana L Leaves methanol Extract against chemically induced mammary tumours in Wister Rats	Biological Forum - An International Journal	May 2023	Third	Research article
23.	Dr. T. Sivakami	Professor and HOD	Anatomical Variability in the Origin, Length and Termination of Basilar Artery and Its Clinical Implications	International Journal of Anatomy Radiology and Surgery	July 2022	second	Research article
24.	Dr. T. Sivakami	Professor and HOD	Morphological variations of the cystic duct and its clinical significance: A cadaveric study	National Journal of Clinical Anatomy	September 2021	Third	Research article
25.	Dr. T. Sivakami	Professor and HOD	A case series on morphological variations of Biceps Brachii in Adult Human Cadavers and its clinical implications	BJKines-National Journal of Basic&Applied Sciences	June 2022	Fourth	Case series

26.	Dr.S.Sumathi	Associate Professor	Prevalence of Rectus sternalis: A Clinical Enigma	Indian Journal of Basic and Applied Medical Research	September 2016	Second	Research article
27.	Dr.S.Sumathi	Associate Professor	A Study on the Morphological Variations of the Suprascapular Notch in the Population of Eastern Delta Region of Tamil Nadu	International Journal of Anatomy and Research	January 2017	First	Research article
28.	Dr.S.Sumathi	Associate Professor	A Morphometrical study of Sacral hiatus and its clinical significance	Indian Journal of Basic and Applied Medical Research	September 2017	First	Research article
29.	Dr.S.Sumathi	Associate Professor	A comparative study of macroscopic morphology of placenta among normal and complicated pregnancies	International Journal of Anatomy and Research	April 2018	Second	Research article
30.	Dr.S.Sumathi	Associate Professor	Gross morphological study of the renal pelvicalyceal patterns in humancadaveric kidneys	Indian Journal of Urology	March 2017	Fourth	Research article
31.	Dr.S.Sumathi	Associate Professor	Anatomical Variability in the Origin, Length and Termination of Basilar Artery and Its Clinical Implications	International Journal of Anatomy, Radiology and Surgery	July 2022	Third	Research article
32.	Dr.S.Sumathi	Associate Professor	Morphological variations of the cystic duct and its clinical significance: A cadaveric study	National Journal of Clinical Anatomy	September 2021	First	Research article

33.	Dr.S.Sumathi	Associate Professor	Unilateral duplication of parotid duct – a rare cadaveric case report	Italian Journal of Anatomy and Embryology	December 2016	First	Case report
34.	Dr.S.Sumathi	Associate Professor	Unilateral partial absence of rectus abdominis muscle	International Journal of Anatomical Variation	December 2016	First	Case report
35.	Dr.S.Sumathi	Associate Professor	Elongated Styloid Process- a cause for cervical pain	National Journal of Clinical Anatomy	September 2014	First	Case report
36.	Dr.A. Senthamizh chelvan	Assistant Professor	A Study on Nutrient foramen of Radius and its clinical significance	International Journal of Academic Medicine and Pharmacy	August 2023	Third	Original research article
37.	Dr.A. Senthamizh chelvan	Assistant Professor	A Study on the Variations in the branching pattern of Anterior cerebral artery and its Clinical Significance	International Journal of Academic Medicine and Pharmacy	August 2023	Second	Original research article
38.	Dr.A. Senthamizh chelvan	Assistant Professor	Morphological variations of the Lung Fissures and Lobes	International Journal of Pharmaceutical and clinical Research	September 2023	First	Original research article
39.	Dr.K.Pushpa	Assistant Professor	A case series on morphological variations of Biceps Brachii in Adult Human Cadavers and its clinical implications	BJKines - National Journal of Basic & Applied Sciences	June 2022	Second	Case series
40.	Dr.K.Pushpa	Assistant Professor	A Morphometric study of typical and atypical lumbar vertebrae in south Indian population	Acta Medica International	June 2023	Second	Original Article

41.	Dr.R.Shalini	Assistant Professor	Comparative study of Right and Left Renal Arterial patterns in Human cadavers	International Journal of Anatomy and Research	May 2016	First	Research Article
42.	Dr.R.Shalini	Assistant Professor	Morphometric study of Mandibular foramen and incidence of accessory mandibular foramen in mandibles of South Indian population and its clinical implications in inferior alveolar nerve block	Anatomy & Cell Biology	December 2016	First	Research Article
43.	Dr.R.Shalini	Assistant Professor	Morphological study of coronary sinus in human cadaveric hearts	International Journal of Anatomy and Research	September 2015	Second	Original Article
44.	Dr.R.Shalini	Assistant Professor	A comparative study of Morphological & Morphometric Analysis of Mental Foramen & its clinical importance on Human dry Mandibles of South Indian Population	Journal of evolution of Medical & Dental Sciences	September 2016	Second	Original Article
45.	Dr.R.Shalini	Assistant Professor	A case series on morphological variations of Biceps Brachii in Adult Human Cadavers and its clinical implications	BJKines - National Journal of Basic & Applied Sciences	June 2022	First	Case series
46.	Dr.R.Shalini	Assistant Professor	A Morphometric study of typical and atypical lumbar vertebrae in south Indian population	Acta Medica International	June 2023	First	Original Article

6. CME/workshop details from 2022 to till date :

S. No	Department	Title of CME/Workshop	Date of CME	TNMC accreditation points	TNMGRMU accreditation points	other accreditation
1	Anatomy	CME on Regional Clinical Anatomy	11.10.2023	1 hour	--	--