

**DEPARTMENT OF NEUROSURGERY
THANJAVUR MEDICAL COLLEGE**

1. About us:

Department of Neurosurgery is one of the oldest Super Specialty started in Thanjavur Medical College in 1967 as per G.O.No.(MS).985, Health, Dated:31.05.1966). It caters to surrounding 8 districts for management of head Injury / Spine Injury and tertiary level Neurosurgical care. The patient load in terms of OP / IP / Operated cases is increasing each year, which shows the importance of this centre and people's faith in the department is ever growing. The Department of Neurosurgery continued to render specialized neurosurgical care even during the Covid pandemic and topped the state in CMCHIS performance done 2020 & 2021. The department is equipped with High end Operating Microscope, Ultrasonic aspirator and Neuro endoscope. All High end micro neurosurgery including Neuro Oncology, Vascular Neurosurgery, Spinal surgery including minimally invasive procedures, Craniovertebral junction surgery, Pediatric Neurosurgery, Neuro Endoscopic surgery are regularly being done in this centre on par with other state and national neurosurgical centers.

The Neurosurgery department in Thanjavur Medical College & Hospital, Thanjavur is equipped with excellent infrastructure and adequate teachers to train 4 MCh Neurosurgery residents every year. We have Operation Theatre on 5 days a week and Emergency Neurosurgery is done 24x7 all 365 days. We also have an excellent 28 bedded Neuro ICU (14 Neurosurgery + 14 Neurology) at PMSSY block and 18 bedded Head-injury ICU in ward 303.

Beginning and major milestones

1. Department sanctioned 1967
2. Department started by prof.narayanan 1970
3. Second neurosurgery unit 1991
4. Micro neurosurgery 2006
5. High end microscope and highspeed drill 2009
6. M.ch neurosurgery training started with one seat 2011
7. Regular aneurysm clipping (vascular neurosurgery) 2013
8. Neuro endoscopy/ultrasonic aspirator 2015
9. MCh., seats increased from 1 to 4 2019

10. PMSSY building with state of the art ICU 2020

2. Department academics:



1. M.Ch

a. Neurosurgery – 3years course – 12 Students (4/per year)

3. Infrastructure (Provide the infrastructure details of the department)

- b. High end Operating Microscope, C-arm, high speed drill, Ultrasonic aspirator, Endoscope, May field and leyla retractor system available
- c. Lecture hall air-conditioned with Audio-visual of 50 persons capacity
- d. Clinical Demo rooms
- e. Museum
- f. Library with standard Neurosurgical text books, National & International Journals
- g. Live streaming with WIFI connection
- h. Audio-visual equipment available
- i. Skill lab with low end microscope for residents micro-neurosurgery training

4. Faculty details:

S. No	Name	Designation	Qualification	TNMC registration number	email ID	Photo (paste photo copy in this box)
1	Dr.A.Mathiyas Arthur	Professor	MCh., Neurosurgery	53501	matthias.arthur@gmail.com	
2	Dr.P.Muthuraman	Associate Professor	MS.MCh., Neurosurgery	55445	pmuthuraman72@hotmail.com	

3	Dr.S.Senthamarai Kannan	Associate Professor	MS.MCh., Neurosurgery	62124	suv003@gmail.com	
4	Dr.J.Rajarajan	Assistant Professor	MS.MCh., Neurosurgery	81573	iraja07@hotmail.com	
5	Dr.K.Rajarajan	Assistant Professor	MS.MCh., Neurosurgery	89556	drrajakr@gmail.com	
6	Dr.A.S.Tanzir	Senior Resident	MS.MCh., Neurosurgery	176514	tanzir6@yahoo.com	

**5. Publication details by the faculty (Provide the details of the publication in the following format)
Provide HOD details, professor details, associate details followed by AP/SR details in order.**

S. No	Name	Designation	Title	Journal name	Month year of publication	Order of author	Type of article
1	Dr.A. Mathiyas h Arthur	Professor	A Massive prolapse of Lumbar Disc Presenting with a Non Anatomic Clinical Picture - Case Report and Literature	TN ORTHOPAEDIC ASSOCIATION	Aug-14		

			Review				
			Epidemiological Study of Paediatric head injury in a peripheral tertiary trauma care centre	INDIAN JOURNAL OF RESEARCH	May-18		
			Role of Squash Smear in Intraoperative Consultation of Central Nervous System Tumors	INDIAN JOURNAL OF RESEARCH	Sep-18		
			A Retrospective Analysis of Surgical Outcomes for Acute SDH in a Peripheral Tertiary care centre	INDIAN JOURNAL OF RESEARCH	Sep-18		
			Experience with AVMs in a Peripheral Tertiary care centre	INDIAN JOURNAL OF RESEARCH	Jan-19		
			Post Traumatic Neuro Psychiatric Changes in Diffuse Axonal Injury	INDIAN JOURNAL OF RESEARCH	Jan-20		
2	Dr.P.Muthuraman	Associate Professor	Cadaveric Study on Basilar artery and its variations in our region	INDIAN JOURNAL OF APPLIED RESEARCH	Sep-17		
			Valuating the Rdiopathologic Correlation of commonly occuring CNS tumors	INDIAN JOURNAL OF APPLIED RESEARCH	Sep-17		

3	Dr.S.Senthamarai Kannan	Associate Professor	Cadaveric Study on Tentorial Venous Sinuses and its Variations	INDIAN JOURNAL OF APPLIED RESEARCH	Sep-17		
			Paediatric Head Injury in a Peripheral Tertiary Trauma Care Centre	INDIAN JOURNAL OF APPLIED RESEARCH	Nov-17		

6. CME/workshop details (Provide the CME workshop conducted by the department in the following format) from 2022 to till date

S. No	Department	Title of CME/Workshop	Date of CME	TNMC accreditation points	TNMGRMU accreditation points	other accreditation
1	Neuro Surgery	Annual Conference TANS-2022	29.04.2022 30.04.2022 & 01.05.2022	4 Hours	20 points	--
	Neuro Surgery	Hands On Drill Workshop	04.09.2022	--	--	--
	Neuro Surgery	High Speed Drill Workshop	03.09.2023	--	--	--
2	Neuro Surgery	High Speed Drill Workshop	28.04.2024	1 hour	5 points	--
3	Neuro Surgery	Prof.Dr.V.K.R Oration	02.05.2024	0.5 hour	--	--

For all other clinical department:

Month -year	Total OPD	Total IPD	Average bed occupancy	HPE	Cyto patho	Hematology	CP	Bio chem	Cul sen	Serology	Xray	USG	CT/MRI
January 2024	1166	416	98%	22	5	1165	-	1327	42	126	48	-	288
February 2024	1364	392	91%	25	2	1045	-	1125	37	122	36	-	206
March 2024	1414	400	95%	24	5	781	-	1018	33	157	14	-	157
April 2024	1339	487	110%	29	4	379	-	956	38	102	15	-	145
May 2024	1354	374	90%	18	6	993	-	967	51	132	35	-	189
June 2024	1427	290	80%	21	8	894	-	1113	51	172	26	2	164
July 2024 (Till – 28.07.24)	1372	307	90%	21	1	1112	-	1152	52	131	33	-	150

For surgical departments:

S. No	Month -year	Total major case	Total minor case	Total emergency cases
1	January 2024	103	83	82
2	February 2024	104	47	65
3	March 2024	115	73	75
4	April 2024	111	71	69
5	May 2024	99	70	53
6	June 2024	94	68	56
7	July 2024	87	81	52

7. Awards and achievement by department and faculty:

1. Dr.Abhishek Mondal MS.MCh., - Awarded Gold Medal for University 1st Rank in August-2022 MCh., Neurosurgery Examination.
2. Dr.Sachin Biradar MS.MCh., - Best Paper awarded in Annual Neurological Surgeons Conference TANS-2023 at Salem, Tamil Nadu.
3. Dr.G.Prammaraj A Subramanian – Awarded II prize for Quiz in Annual Neurological Surgeons Conference TANS-2024 at Ooty, Tamil Nadu.