

DEPARTMENT OF PEDIATRICS AND NEONATOLOGY

1. About us:

The Department of Pediatrics at Raja Mirasdar Hospital specializes in the health and well-being of infants, children, and adolescents. This medical branch focuses on the prevention, diagnosis, and treatment of diseases and disorders affecting individuals from birth to adolescence. Our goal is to provide comprehensive, family-centered care that addresses the physical, emotional, and social needs of children and adolescents.

Our department serves as a tertiary referral center for nearby medical colleges and caters to children from Thanjavur and adjoining districts, including Thiruvarur, Nagapattinam, Pudukkottai, Ariyalur, Perambalur, Mayiladuthurai, and some areas of Trichy district. We particularly serve a significant portion of the population from lower socioeconomic backgrounds, primarily engaged in agriculture.

The Pediatric Outpatient service sees an average of 300 children daily, with numbers surging to 500 during peak seasons. Annually, we attend to approximately 60,000 to 70,000 outpatients and 10,000 to 12,000 inpatients.

Our department also serves as a training ground for 10 postgraduate students and 150 undergraduate students each year, along with paramedical students such as BSc Physician Assistants, BSc Critical Care students, and nursing students from Thanjavur Nursing College and nearby institutions. We conduct weekly subspecialty clinics in cardiology, pulmonology, nephrology, neurology, and immunization, along with daily well-baby and high-risk follow-up clinics at the Newborn Follow-up OPD.

Our primary and specialty care services include:

- Providing comprehensive care to infants, children, and adolescents.
- Preventing diseases through immunizations, health education, and preventive medicine.
- Diagnosing and treating acute and chronic illnesses such as infections, allergies, and genetic disorders.
- Conducting research to improve the understanding of pediatric diseases.
- Educating medical students, residents, and healthcare professionals in pediatric care.
- Collaborating with other departments and healthcare professionals to ensure comprehensive care.
- Implementing evidence-based guidelines and protocols for pediatric care.
- Providing pediatric emergency and critical care services.
- Supporting pediatric mental health and addressing behavioral and developmental concerns.
- Staying up-to-date with the latest advances and technologies in pediatric care.

Our department includes a DEIC (District Early Intervention Centre) team comprising a pediatrician, medical officer, dentist, and paramedics. This team provides the following services:

- Screening all infants discharged from Sick Newborn Care Units (SNCU) who are at risk of developmental delays and Neuro-motor impairments.
- Monitoring the development of all infants discharged from SNCUs up to the age of 2 years.
- Confirming diagnoses of children referred for defects at birth, deficiencies, diseases, and developmental delays.
- Providing assessment, intervention, and parent counseling for children with confirmed Neuro-motor impairments, with therapies available until 18 years of age.
- Maintaining records of every child attending DEIC for therapies and education.
- Operating a Sensory Integration Therapeutic Park as part of DEIC to provide sensory integration therapy for children with disabilities.

1. **Department academics:**

MBBS:

- a. MBBS - 150 students per year. Three batches of students appearing for clinical postings.
- b. Clinical class daily from 9.00 am – 12.00 noon.
- c. Elective posting in Neonatology for the Final Year MBBS
- d. CBME curriculum implemented from 2019 batches onwards.

2. M.D.

- a. MD - 10 Students per year
- b. Clinical (case presentation and discussion) done twice weekly.
- c. Symposium monthly once.
- d. Journal Club twice monthly.
- e. Group Discussion done regarding clinical cases monthly twice.
- f. Seminar conducted monthly once.
- g. Guest Lectures monthly once.

3. B.Sc Technician courses:

- B.Sc Physician Assistant
- B.Sc Critical care

2. **Infrastructure** (Provide the infrastructure details of the department) Example format is given below

- a. Lecture halls – 1 (JV Hall)
- b. Clinical Demo rooms - 4 (OPD – 1, SNCU – 1, Ward – 2)
- c. Museum & Library - 1
- d. Live streaming with WIFI connection available
- e. Audio-visual equipment available
- f. Bedside Ultrasonography and Echocardiography available at PICU & SNCU





3. Faculty details:

S. No	Name	Designation	Qualification	TNMC Reg number	email ID	Photo (paste photo copy in this box)
1	Dr.P.Selvakumar	Professor & HOD	MD (Paediatrics)	52103	drselva_kumar69@yahoo.co.in	
2	Dr. V.S. Subburaman	Associate professor	MD (Paediatrics)	62141	vssubburaman@gmail.com	
3	Dr.R.Raji	Associate professor	MD (Paediatrics)., DCH.,	50184	rajiramachari@gmail.com	
4	Dr C S Senthilkumar	Associate professor	MD (Paediatrics)., DCH.,	59064	cssenthilkumar2323@gmail.com	
5	Dr.Aravind Thirugnanasambandam N	Assistant Professor	MD (Paediatrics)., DCH.,	68411	aravindts78@rediffmail.com	

6	Dr.T.Rajmohan	Assistant Professor	MD (Paediatrics)	69391	rajmohandr@gmail.com	
7	Dr.V.Rameshkumar	Assistant Professor	MD (Paediatrics)	76797	drrameshkumarv@yahoo.co.in	
8	Dr.Dr.P.Ilamparithi	Assistant Professor	MD (Paediatrics)	87945	dr.muthuilam@gmail.com	
9	Dr.S.Pazhanisamy	Assistant Professor	MD (Paediatrics)	82581	drrspmd@gmail.com	
10	Dr.R.Kovendan	Assistant Professor	MD (Paediatrics)	90491	drkovendhan@gmail.com	

1 1	Dr.J.Madhavan	Assistant Professor	MD (Paediatrics)	93740	drjmadhavan@gmail.com	
1 2	Dr.G.Aravindhhan	Assistant Professor	MD (Paediatrics)	88350	draravindhhan@gmail.com	
1 3	Dr.S.R.Saranya	Assistant Professor	MD (Paediatrics)	80867	ponsivakumar@gmail.com	
1 4	Dr.S.K.Venkatesh	Assistant Professor	MD (Paediatrics)	106875	venkucorn@gmail.com	
1 5	Dr S Kalandar Yasar	Assistant Professor	MD (Paediatrics)	105571	yasar.sky90@gmail.com	

1 6	Dr.K.Rajapriya	Assistant Professor	MD (Paediatrics)	93278	drrajapriya04@gmail.com	
1 7	Dr.B.Kalaikkannan	Assistant Professor	MD (Paediatrics)	112466	kalaikkannan91@gmail.com	
1 8	Dr S Subashini	Assistant Professor	MD (Paediatrics)	117112	subashini16031993@gmail.com	
1 9	Dr D Arun Prasanth	Assistant Professor	MD (Paediatrics)	117183	prasyarun@gmail.com	
2 0	Dr.S.Zamir Ahmed	CEMONC Paediatric ian - Assistant Professor	MD (Paediatrics)	94946	zamkratos86@gmail.com	

2 1	Dr.R.Venkateshwaran	CEMONC Paediatrician - Assistant Professor	MD (Paediatrics)	97533	venqat.dionysus@gmail.com	
2 2	Dr.Megha Raveendran	Senior Resident	MD (Paediatrics)	98626	megha7611@gmail.com	
2 3	Dr.B.Rajesh	Senior Resident	DCH	70416	docrjesh7679@rediffmail.com	
2 4	Dr.G.Saravanan	Senior Resident	DCH	88773	stthemaestro@gmail.com	

4. Publication details by the faculty

S. NO	NAME	DESIGNATION	TITLE	JOURNAL NAME	MONTH YEAR OF PUBLICATION	ORDER OF AUTHOR	TYPE OF ARTICLE
1	DR P SELVAKUMAR	PROFESSOR & HOD	BLOOD GLUCOSE MEASUREMENT BY GLUCOMETER IN COMPARISON WITH STANDARD METHOD IN THE DIAGNOSIS OF HYPOGLYCEMIA IN SICK NEONATES	INTERNATIONAL JOURNAL OF PAEDIATRIC RESEARCH	JULY 2017	FIRST AUTHOR	ORIGINAL RESEARCH ARTICLE

			ASSOCIATION BETWEEN SCREEN TIME AND BEHAVIOURAL HEALTH PROBLEMS AMONG URBAN AND RURAL STUDENTS IN EARLY AND MID-ADOLESCENT AGE GROUP	INTERNATIONAL JOURNAL OF PAEDIATRIC RESEARCH	JULY 2017	SECOND AUTHOR	ORIGINAL RESEARCH ARTICLE
			PREDICTIVE VALUE OF UMBILICAL CORD BLOOD BILIRUBIN AND ALBUMIN FOR SIGNIFICANT HYPERBILIRUNEMIA IN ABO INCOMPATIBILITY	INTERNATIONAL JOURNAL OF PAEDIATRIC RESEARCH	JANUARY 2018	SECOND AUTHOR	ORIGINAL RESEARCH ARTICLE
			RANDOMIZED CONTROLLED TRIAL OF LEVETIRACETAM VERSUS FOSPHENYTOIN FOR CONVULSIVE STATUS EPILEPTICUS IN CHILDREN	INTERNATIONAL JOURNAL OF PAEDIATRIC RESEARCH	APRIL 2018	SECOND AUTHOR	ORIGINAL RESEARCH ARTICLE
			USAGE OF VIOLENT AND VIDEO GAMES, BEHAVIOUR AND COPING MECHANISM OF SCHOOL GOING MID-ADOLESCENTS IN URBAN SCHOOLS OF A SOUTH INDIAN CITY: A CROSS – SECTIONAL STUDY	INTERNATIONAL JOURNAL OF ACADEMIC MEDICINE AND PHARMACY	NOVEMBER 2023	THIRD AUTHOR	ORIGINAL RESEARCH ARTICLE
			PULMONARY CAVITATORY TUBERCULOSIS IN CHILDREN	INDIAN PEDIATRICS	1994	SECOND AUTHOR	ORIGINAL RESEARCH ARTICLE
1	DR V S SUBBURAMAN	ASSCOAITE PROFESSOR	AN EPIDEMIOLOGICAL STUDY OF CLINICAL OUTCOME OF SNAKEBITE IN CHILDREN	IJMPO	JANUARY –MARCH 2017	FIRST AUTHOR	ORIGINAL RESEARCH ARTICLE
			AN EPIDEMIOLOGICAL STUDY OF ASSESSMENT OF FETAL OUTCOME IN HYPERTENSIVE DISORDERS OF PREGNANCY	IJMPO	APRIL – JUNE 2017	FIRST AUTHOR	ORIGINAL RESEARCH ARTICLE
			A POSTICTAL ELECTROCARDIOGRAM (ECG) CHANGES IN CHILDREN (6 MONTHS – 12 YEARS) WITH GENERALIZED TONIC-CLONIC SEIZURES (GTCS) TO PREDICT THE RISK OF FURTHER SEIZURES – A PROSPECTIVE OBSERVATIONAL STUDY	JAMP	24.02.2023 (DATE OF ACCEPTANCE)	SECOND AUTHOR	ORIGINAL RESEARCH ARTICLE
			A COMPARATIVE STUDY TO ASSESS LIPID PROFILE BETWEEN DOWN SYNDROME AND HEALTHY CHILDREN	JAMP	24.02.2023 (DATE OF ACCEPTANCE)	THIRD AUTHOR	ORIGINAL RESEARCH ARTICLE
			TO ESTIMATE THE USEFULNESS OF RED CELL DISTRIBUTION WIDTH TO PLATELET RATION IN DIAGNOSING SEPSIS AT EARLY STAGE IN TERM NEONATES	JAMP	FEB 2024 (ACCEPTED)	SECOND AUTHOR	ORIGINAL RESEARCH ARTICLE
2	DR R RAJI	ASSOCIATE PROFESSOR	A STUDY OF IMPACT OF COVERING THE HEADS OF ICTERIC NEONATES DURING PHOTOTHERAPY ON THE PREVALENCE OF HYPOCALCAEMIA	IJSR	FEBRUAY 2018	FIRST AUTHOR	ORIGINAL RESEARCH ARTICLE
			A STUDY ON PATTERN OF PAEDIATRIC DERMATOSES IN CHILDREN ATTENDING TREASURY CARE CENTER	IJSR	OCTOBER 2018	FIRST AUTHOR	ORIGINAL RESEARCH ARTICLE
			A COMPARATIVE STUDY TO ASSESS LIPID PROFILE BETWEEN DOWN SYNDROME AND HEALTHY CHILDREN	JAMP	24.02.2023 (DATE OF ACCEPTANCE)	SECOND AUTHOR	ORIGINAL RESEARCH ARTICLE
4	Dr C.S.SENTHIL KUMAR, MD, DCH	ASSOCIATE PROFESSOR	STUDY OF VASOACTIVE INFUSIONS THROUGH PERIPHERAL LINE	PEDIATRIC ONCALL	APRIL TO JUNE - 2015	FIRST AUTHOR	ORIGINAL RESEARCH ARTICLE
			RANDOMISED CONTROLLED TRIAL OF LEVETIRACETAM VERSUS FOSPHENYTOIN FOR CONVULSIVE STATUS EPILEPTICUS IN CHILDREN.	PAEDIATRIC REVIEW: INTERNATIONAL JOURNAL OF PAEDIATRIC RESEARCH	APRIL -2018	FIRST AUTHOR	ORIGINAL RESEARCH ARTICLE
			CLINICAL PROFILE OF SEVERE ACUTE RESPIRATORY INFECTION IN CHILDREN 1 TO 12 YEARS IN A TERTIARY CARE CENTRE, TAMILNADU	INDIAN JOURNAL OF PUBLIC HEALTH RESEARCH AND DEVELOPMENT	ARTICLE ACCEPTED -TO BE PUBLISHED IN OCTOBER TO DECEMBER 2024. DATE OF ACCEPTANCE - 1/3/2024	SECOND AUTHOR	ORIGINAL RESEARCH ARTICLE
3	DR ARAVIND THIRUGNANASAMBA NDAM N	ASSISTANT PROFESSOR	INCIDENCE OF ROTAVIRAL DIARRHEA AND ITS CLINICAL PROFILE COMPARISON IN UNDER FIVE CHILDREN	INDIAN JOURNAL OF MEDICAL PAEDIATRICS AND ONCOLOGY	JAN-MAR 2018	FIRST AUTHOR	ORIGINAL RESEARCH ARTICLE
			A STUDY OF NEONATAL SEIZURES IN VIEW OF ETIOLOGY, ONSET , TYPE AND CLINICAL MANIFESTATIONS	INDIAN JOURNAL OF MEDICAL PAEDIATRICS AND ONCOLOGY	JUL-SEP 2018	CORRESPONDING AUTHOR	ORIGINAL RESEARCH ARTICLE

			AN EPIDEMIOLOGICAL STUDY OF COVID INFECTION AMONG COVID +VE HEALTH CARE WORKERS (HCWS) IN A TERTIARY CARE CENTRE AND ENUMERATION IF THEIR KNOWLEDGE ATTITUDE , AND PRACTICES (KAP) TOWARDS COVID APPROPRIATE BEHAVIOUR (JAN 2022 INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH)	IJSR	2021	THIRD AUTHOR	ORIGINAL RESEARCH ARTICLE
4	DR T RAJMOHAN	ASSISTANT PROFESSOR	STUDY OF URINARY URIC ACID AND CREATININE RATIO AS A MARKER OF NEONATAL ASPHYXIA	INT J MED PAEDIATRIC ONCOLOGY	APR-JUN 2019	CORRESPONDING AUTHOR	ORIGINAL RESEARCH ARTICLE
			A DESCRIPTIVE STUDY ABOUT INCIDENCE DIET PATTERN, OTHER PRECIPITATIVE FACTORS AND PHYSHOSOCIAL FACTORS AFFECTING FUNCTIONAL CONSTIPATION IN CHILDREN	INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH	OCT 2022	SECOND AUTHOR	ORIGINAL RESEARCH ARTICLE
			PARENTAL KNOWLEDGE ATTITUDES AND BELIEVES REGARDING FEVER IN CHILDREN	JAMP	JULY 2023 15.06.2023	2 ND AUTHOR	ORIGINAL RESEARCH ARTICLE
			USAGE OF VIOLENT AND VIDEO GAMES, BEHAVIOUR AND COPING MECHANISM OF SCHOOL GOING MID-ADOLESCENTS IN URBAN SCHOOLS OF A SOUTH INDIAN CITY: A CROSS – SECTIONAL STUDY	INTERNATIONAL JOURNAL OF ACADEMIC MEDICINE AND PHARMACY	NOVEMBER 2023	CORRESPONDING AUTHOR	ORIGINAL RESEARCH ARTICLE
5	DR V RAMESHKUMAR	ASSISTANT PROFESSOR	PARENTAL KNOWLEDGE ATTITUDES AND BELIEVES REGARDING FEVER IN CHILDREN	JAMP	JULY 2023 15.06.2023	CORESPONDING AUTHOR	ORIGINAL RESEARCH ARTICLE
			TO ESTIMATE THE USEFULNESS OF RED CELL DISTRIBUTION WIDTH TO PLATELET RATION IN DIAGNOSING SEPSIS AT EARLY STAGE IN TERM NEONATES	JAMP	FEB 2024 (ACCEPTED)	CORESPONDING AUTHOR	ORIGINAL RESEARCH ARTICLE
6	DR P ILAMPARITHI	ASSISTANT PROFESSOR	ETIOLOGICAL PROFILE OF FEVER OF UNKNOWN ORIGIN IN CHILDREN BETWEEN 1 MONTH TO 12 YEARS ADMITTED IN AN URBAN REFERRAL CENTER	INTERNATIONAL JOURNAL OF MEDICAL SCIENCES AND CURRENT RESEARCH	NOV DEC 2022	FIRST AUTHOR	ORIGINAL RESEARCH ARTICLE
7	DR S PAZHANISAMY	ASSISTANT PROFESSOR	A STUDY ON CLINICAL PRESENTATION AND OUTCOME OF SCORPION STING IN CHILDREN	INTERNATIONAL JOURNAL OF MEDICAL PEDIATRICS AND ONCOLOGY	JULYSEPTEMBER 2018	CORRESPONDING AUTHOR	ORIGINAL RESEARCH ARTICLE
			TO ESTIMATE THE USEFULNESS OF RED CELL DISTRIBUTION WIDTH TO PLATELET RATION IN DIAGNOSING SEPSIS AT EARLY STAGE IN TERM NEONATES	JAMP	FEB 2024 (ACCEPTED)	3 RD AUTHOR	ORIGINAL RESEARCH ARTICLE
8	DR S R SARANYA	ASSISTANT PROFESSOR	STUDY OF URINARY URIC ACID AND CREATININE RATIO AS A MARKER OF NEONATAL ASPHYXIA	INT J MED PAEDIATRIC ONCOLOGY	APR-JUN 2019	1ST AUTHOR	ORIGINAL RESEARCH ARTICLE
			PARENTAL KNOWLEDGE ATTITUDES AND BELIEVES REGARDING FEVER IN CHILDREN	JAMP	JULY 2023 15.06.2023	3 RD AUTHOR	ORIGINAL RESEARCH ARTICLE
9	DR MEGHA	SENIOR RESIDENT	POSTICTAL ECG CHANGES IN CHILDREN (6 MONTHS – 12 YEARS) WITH GTCS TO PREDICT RISK OF FURTHER SEIZURES – A PROSPECTIVE OBSERVATIONAL STUDY	INTERNATIONAL JOURNAL OF ACADEMIC MEDICINE AND PHARMACY	24.02.2023	THIRD AUTHOR	ORIGINAL RESEARCH ARTICLE
			USAGE OF VIOLENT AND VIDEO GAMES, BEHAVIOUR AND COPING MECHANISM OF SCHOOL GOING MID-ADOLESCENTS IN URBAN SCHOOLS OF A SOUTH INDIAN CITY: A CROSS – SECTIONAL STUDY	INTERNATIONAL JOURNAL OF ACADEMIC MEDICINE AND PHARMACY	NOVEMBER 2023	2 ND AUTHOR	ORIGINAL RESEARCH ARTICLE
10	DR ARAVINDHAN	ASSISTANT PROFESSOR	EFFECT OF HEAD COVERING ON PHOTOTHERAPY ON SERUM CALCIUM AND SERUM BILIRUBIN	RESEARCH JOURNAL OF PHARMACEUTICAL, BIOLOGICAL AND CHEMICAL SCIENCES	2024	1 ST AUTHOR	ORIGINAL RESEARCH ARTICLE

5. 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
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1	PAEDIATRICS	DAD WORKSHOP (DEMYSTIFYING ALEGRIC DISORDERS)	07.08.2022			IAP
2	PAEDIATRICS	NTEP WORKSHOP (NATIONAL TUBERCULOSIS ELIMINATION PROGRAM)	09.10.2022			IAP
3	PAEDIATRICS	CME PROGRAMME (NEONATOLOGY, HEMATOLOGY, GI PROBLEMS IN PAEDIATRIC PRACTICE)	19.03.2023			IAP
4	PAEDIATRICS	CME PROGRAMME (PAEDIATRIC DERMATOSIS, IEM, ASTHMA)	25.06.2023			IAP
5	PAEDIATRICS	NATIONAL BLS & CPR DAY	21.07.2023			IAP
6	PAEDIATRICS	HIT THE BULL'S EYE (CLINICAL CLUES MODULE IN PAEDIATRIC WORKSHOP)	08.10.2023			IAP
7	PAEDIATRICS	NC ECD WORKSHOP	03.03.2024			IAP
8	PAEDIATRICS	FEVER MODULE (ALL ABOUT FEVER AND ITS MANAGEMENT)	30.03.2024			IAP

6. Clinical materials details (as applicable for lab and clinical departments)

For all other clinical department: PAEDIATRIC MEDICINE

Month -year	Total OPD	Total IPD	Average bed occupancy	HPE	Cyto patho	Hema tology	CP	Bio chem	Cul sen	Sero logy	Xray	USG	CT/MRI
January 2024	5074	963	80%	0	10	2150	494	1183	270	161			
February 2024	5024	1021	90%	0	2	1945	368	1026	306	133			
March 2024	5966	1051	93%	0	1	2216	414	1569	343	106			
April 2024	4257	914	88%	0	20	2364	454	1442	288	143			
May 2024	4153	989	84%	0	3	2366	354	1596	353	140			
June 2024	4328	815	80%	0	8	1849	297	1348	286	90			
July 2024	4656	880	81%	0	2	1756	214	1263	287	87			

7. Awards and achievement by department and faculty:

1. Prof Dr P Selvakumar – Appreciation award from Dean, TMC, Thanjavur on 15.08.2023 (Independence Day)
2. Dr Aravind Thirugnanasambandam N – Appreciation award from Dean, TMC, Thanjavur on 15.08.2023 (Independence Day)
3. Dr T Rajmohan – Appreciation award from Dean, TMC, Thanjavur on 15.08.2023 (Independence Day)
4. Dr S R Saranya – Appreciation award from Dean, TMC, Thanjavur on 15.08.2023 (Independence Day)
5. Dr S K Venkatesh – Appreciation award from District Collector, Thanjavur on 26.01.2024 (Republic Day)
6. Dr R Venkateshwaran - Silver medal for fellowship in primary care echo cardiology on 07.01.2024