

# THANJAVUR MEDICAL COLLEGE & HOSPITAL

## DEPARTMENT OF CARDIOLOGY

### Details

#### 1. about us:

Cardiology is the branch of medicine that deals with the diagnosis, treatment, and prevention of disorders of the heart and the circulatory system. Cardiologists use various tests and procedures to diagnose and manage heart conditions, including:

1. Electrocardiogram (ECG or EKG): Measures the heart's electrical activity.
2. Echocardiogram: Uses sound waves to create images of the heart.
3. Stress test: Measures the heart's function during physical activity.
4. Cardiac catheterization: Inserts a catheter into the heart to visualize blood flow and pressure.
5. Imaging tests: Such as MRI, CT, and PET scans to visualize the heart and blood vessels.

#### **CARDIOLOGISTS TREAT A WIDE RANGE OF CONDITIONS, INCLUDING:**

1. Coronary artery disease
2. Heart failure
3. Arrhythmias
4. Valvular heart disease
5. Cardiomyopathy
6. Pericardial disease
7. Hypertension
8. Peripheral artery disease

#### **CARDIOLOGISTS MAY ALSO PERFORM PROCEDURES SUCH AS:**

1. Angiogram to find out block vessels.
2. Angioplasty: Opens blocked coronary arteries.
3. Stenting: Places a stent to keep arteries open.
4. Pacemaker implantation: Regulates the heart's rhythm.
5. ASD DEVICE CLOSURE in Our Department
6. PDA DEVICE CLOSURE in Our Department

**The goal of cardiology is to provide comprehensive care to patients with heart conditions, improve quality of life, and prevent cardiovascular disease.**



**2. Department academics : (Provide the academic details of the department) Example format is given below**






1. Superspeciality course DM cardiology -2 Students/year
2. B.Sc cardiac technology-20 students/year
3. E.C.G & ECHO TECHNCIAN COURSES -70 students/year

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

- A. Lecture Halls-1
- B. Library-1
- C. Demo Room -1
- D. Wifi-Connection available
- E. Audio-Visual Equipment available-1
- F. Bedside echocardiogram available-4
- G. Cath lab -1
- H. TMT machine -1
- I. Holter machine-3
- J. ECG machine-4
- K. IVUS/OCT/FFR-1
- L. Temporary pacemaker leads-4

**4. Faculty details:**

S.No	Name	Designation	Qualification	TNMC Registration number	Email id	Photo
1.	DR.P.JAISHANKAR	Professor & HOD	MD.,DM.,	55719	<a href="mailto:jaicardio@gmail.com">jaicardio@gmail.com</a>	
2.	DR. A. SRINIVASAN	Associate Professor	MD.,DM.,	52598	<a href="mailto:dras7745@gmail.com">dras7745@gmail.com</a>	

3.	DR. G. ANANDH	Senior Assistant Professor	MD.,DM.,	69602	<a href="mailto:nandha1279@gmail.com">nandha1279@gmail.com</a>	
4.	DR. T. GOMATHI	Assistant Professor	MD.,DM.,	76492	<a href="mailto:gomathimd@gmail.com">gomathimd@gmail.com</a>	
5.	DR. K. MUTHUSELVAN	Assistant Professor	MD., DM.,	61020	<a href="mailto:drmuthuselvan@karuna.com">drmuthuselvan@karuna.com</a>	
6.	DR. A.B. RAJASEKAR	Assistant Professor	MD., DM.,	69593	<a href="mailto:rajaneela7883@gmail.com">rajaneela7883@gmail.com</a>	
7.	DR. J. ARUN AROCKIA RAJESH	Senior Resident	MD., DM.,	90303	<a href="mailto:j.aar29@gmail.com">j.aar29@gmail.com</a>	

**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 Publication	Order Of Author	Type Of Article
1.	DR.P.JAISHANKAR	PROFESSOR & HOD	Pattern of Valvular Lesion In Rheumatic Heart Disease in a Tertiary Care Institute, Tamil Nadu	JEBMH	OCT-2017	Corresponding Authorship - I	Original Research article
			An Analysis Of Valvular Heart Disease By Echocardiography - A Tertiary Care Institute Study. J. Evid. Based Med. Healthc. 2017; 4(51), 3083-3087.	JEBMH	DEC-2017	Corresponding Authorship - I	
			Epidemiological Study Of An Epidemiological Study Of Pulmonary Hypertension By Echocardiography In Tertiary Care Institute, Tamilnadu, South India. J. Evolution Med. Dent. Sci. 2018;7(36):3950-3953. Indexed In Index Copernicus	JEMDS	OCT-2018	Corresponding Authorship - 2	
			Predilection & Safety of Transradial Coronary intervention in the elderly population	PARIPEX	Dec-2019	Corresponding Authorship - 2	
			The Assessment Of Speckle Tracking Echocardiography In Suspected Stable Angina Pectoris With Normal Conventional Transthoracic Echocardiography	IJPCR	June - 2022	Corresponding Authorship - 2	

			Study Of Coronary Angiographic Profile In Young Patients Less Than 45 Years Of Age With Acute Coronary Syndromes - A Single Centre Study From South India.		Sep - 2022	Corresponding Authorship - 2	
2.	DR.A.SRINIVASAN	ASSISTANT PROFESSOR	An Analysis Of Valvular Heart Disease By Echocardiography - A Tertiary Care Institute Study. J. Evid. Based Med. Healthc. 2017; 4(51), 3083-3087.	JEMDS	JUNE-2017	Corresponding Authorship - 2	Original Research article
			An Epidemiological Study Of Pulmonary Hypertension By Echocardiography In Tertiary Care Institute, Tamilnadu, South India. J. Evolution Med. Dent. Sci. 2018;7(36):3950-3953. Indexed In Index Copernicus	JEMDS	Sep - 2018	Corresponding Authorship - 1	
			A Study Of Acute St-Elevation Myocardial Infarction In Elderly Patients In A Tertiary Care Institute At South India. (Journal Of Evolution Medical & Dental Sciences. 2018;7(49):6024,Doi: 10.14260/Jemds//2018/1158. Indexed In Index Copernicus 80.18	JEMDS	Dec-2018	Corresponding Authorship - 2	
3.	DR.G.ANANDH	ASSISTANT PROFESSOR	A Study Of W.H.O Group Ii Pulmonary Hypertension By Echocardiography In A Tertiary Care Institute, Tamilnadu, South India (Journal Of Evidence Based Medicine & Health Care. 2018;5(40),2837-2841.Doi:10.18410/Jebmh/2018/582) Indexed In Index Copernicus	JEBMH	Oct - 2018	Corresponding Authorship - 1	Original Research article
			2. E.C.G. And Echocardiographic Profile Of Patients Presenting With Acute Elevation Myocardial Infarction (Stemi) In A Tertiary Care Institute At Tamilnadu, South India (Journal Of Evidence Based Medicine & Health Care. 2018;5(45), 3131-3136. Doi: 10.18410/Jebmh/2018/638) Indexed In Index Copernicus	JEBMH	Nov - 2018	Corresponding Authorship - 2	Original Research article
4.	DR.T.GOMATHI	ASSISTANT PROFESSOR	1.Thendral V, Gomathi T . Peripartum Cardiomyopathy: Outcome Analysis In Tertiary Health Care Centre. (Volume 8 Issue 3, March 2019 Issn: 2319-7064.)	JEBMH	Mar - 2019	Corresponding Authorship - 2	International Journal
			2.Gomathi T, Thendral V. A Study Of Screening Echocardiography In Asymptomatic Pregnant Women (Indian Journal Of Obstetrics And Gynecology Research 2019; 6(4):440-443. Indexed In Index Copernicus	Innovative Publication	Dec-2019	Corresponding Authorship - 1	Indian Journal

## 5. Awards and achievement by department and faculty:

**Achievement :**

LEADING REFERRAL CENTRE FOR PEDIATRIC ECHOCARDIOGRAPHY

One of the high volume centre for maternal screening echo

Leading centre for coronary intervention in Tamilnadu -600 procedure/month

Permanent pacemaker implantation done routinely in our department