



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



GLOBAL INITIATIVE OF ACADEMIC NETWORKS (GIAN)

LONG-TERM FOLLOW-UP AND CARDIOVASCULAR MANAGEMENT IN PEDIATRIC MEDIUM VESSEL VASCULITIS



Guest Faculty



22nd – 26th,
March, 2025

20 CME Credit hours



Auditorium
Advanced Pediatrics Centre

Prof. Etsuko Tsuda

Dr. Etsuko Tsuda is a Professor at the Department of Pediatric Cardiology, National Cerebral and Cardiovascular Center, Osaka, Japan. She is a world authority on the long-term follow-up of Kawasaki disease.

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ORGANISED BY

Allergy Immunology Unit, Advanced Pediatrics Centre,
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WHO Collaborating Centre for Education,
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Long-term follow-up and cardiovascular management in pediatric medium vessel vasculitis

Overview

Kawasaki disease is a common childhood medium vessel vasculitis. This course on 'Long-term follow-up and cardiovascular management in pediatric medium vessel vasculitis' will provide a comprehensive review of this subject for medical graduates, fellows, researchers, faculty, and practicing health professionals. Epidemiological data from the developed world shows that Kawasaki disease has replaced acute rheumatic fever to become the commonest cause of acquired heart disease in children. This necessitates the involvement of healthcare professionals who can provide appropriate medical care. Kawasaki disease in children can lead to serious cardiovascular complications, necessitating specialized management strategies. By offering this course, healthcare professionals would gain insight into long-term monitoring, early detection, and appropriate interventions for cardiovascular involvement in children with Kawasaki disease. Ultimately, this course empowers healthcare providers to deliver comprehensive and effective care, improving outcomes and quality of life for children with Kawasaki disease.

Scientific Program

Long-Term Follow-Up and Cardiovascular Management in Pediatric Medium Vessel Vasculitis

Date: 22.03.2025 – 26.03.2025

Venue: APC Auditorium, 2A, Advanced Pediatrics Centre, PGIMER, Chandigarh

Timings	Title of the Talk	Speakers	Moderator
Day 1 (22.03.2025)			
12:15 onwards	LUNCH		
14:00 – 14:20	Inauguration and Welcome address		Etsuko Tsuda/ Surjit Singh /Gurjaspreet Singh/ Amit Rawat/ Vijay Kumar
	Global Initiative of Academic Networks (GIAN) – an initiative by the Ministry of Education, Government of India	Gurjaspreet Singh	
	Introduction to the GIAN Course	Surjit Singh	
14:20 – 15:00	An overview of cardiovascular sequelae in Kawasaki disease in Japan – Experience from Japan	Etsuko Tsuda	Surjit Singh
15:00 – 15:20	Epidemiology and prediction of acquired heart disease in children (KD vs. acute rheumatic fever)	Shankar Prinja	Rakesh Pilania / Surjit Singh
15:20 – 16:20	Giant coronary artery aneurysms – long-term follow-up	Etsuko Tsuda	Manphool Singhal
16:20 – 16:30	TEA		
16:30 – 17:00	Point of care cardiovascular assessment in KD – basics	Rakesh Pilania / Amber Kumar / Rishika Mehta / Debatdatta Mukhopadhyay	Etsuko Tsuda
17:00 – 17:30	Limitations of echocardiography for the assessment of coronary arteries in KD	Rakesh Pilania / Amitabha Chattopadhyay	Surjit Singh

17:30 – 18:30	Assessment of Cardiovascular Risk in Children with KD	Etsuko Tsuda	Surjit Singh
Day 2 (23.03.2025)			
08:00 – 08:30	Oral presentations	Delegates	Priyankar Pal / Saji Philip
08:30 – 08:45	AI-Driven Diagnosis of Severe disease in KD – perspective	Anu Maheswari Gulati	Rakesh Pilania
08:45 – 09:00	AI in imaging and future scope in cardiac imaging	Jainy Sachdeva	Priyankar Pal
09:00 – 09:15	Genetics of Kawasaki disease – Global update	Amit Rawat	Surjit Singh
09:15 – 09:30	Genetics of Kawasaki disease – Indian scenario	Manpreet Dhaliwal	Rakesh Pilania
09:30 – 09:45	Recent insights and advances of proteomics and metabolomics in KD	Jayakanthan K	Amit Rawat
09:45 – 10:15	Systematic review and metanalysis: Preliminary observations	Pratap Patra / Bijaya Kumar Padhi	Puneet A Puni
10:15 – 10:30	TEA		
10:30 – 10:50	Epidemiology of KD worldwide	Priyankar Pal	Surjit Singh
10:50- 11:10	Epidemiology of KD – India	Rakesh Pilania	Tapas Sabui
11:10 -11:40	2D-echocardiography of coronary arteries in KD	Etsuko Tsuda	Surjit Singh
11:40 – 12:00	A-B-C of Z score systems in echocardiography	Vignesh P	Surjit Singh
12:00 – 12:15	Different Z scores systems – update	Murugan Sudhakar	Rakesh Pilania
12:15 – 12:30	Importance of accurate weight, height, and body surface area for coronary artery Z score assessment – case-based discussion	Suprit Basu	Vignesh P
12:30 – 13:00	Debate: Z score-based system is the way forward for coronary artery assessment in KD	For: Archan Sil Against: Narendra Bagri	Vignesh P / Rakesh Pilania

LUNCH			
14:00 – 15:00	2D-echocardiography for myocardial assessment in KD	Etsuko Tsuda	Surjit Singh
15:00– 15:15	Innate immune pathogenesis in KD	Saniya Sharma	Rakesh Pilonia / Amit Rawat
15:15 – 15:30	TEA		
15:30 – 16:30	Anticoagulation Options in Kawasaki disease and coronary artery disease Warfarin vs. Low Molecular Weight Heparin vs. vs. Direct Oral Anticoagulants	Etsuko Tsuda / Aman Gupta / Avinash Ananthraj	Surjit Singh
16:30 – 17:00	Scope of Cardiac MRI in KD	Manphool Singhal	Etsuko Tsuda
17:00– 18:00	Coronary artery thrombosis in Kawasaki disease: Presentation, diagnosis and management	Etsuko Tsuda	Sanjeev Naganur
Day 3 (24.03.2025)			
09:00 – 10:00	Advances in imaging techniques for assessment of coronary arteries in KD	Etsuko Tsuda	Manphool Singhal
10:00 – 11:00	Point of care coronary artery and left ventricular functions in children with KD - Practical issues and Clinical demonstration	Rakesh Pilonia / Avinash Ananthraj / Debatdatta Mukhopadhyay / Rishika Mehta/ Amitabha Chattopadhyay / Saji Philip	Surjit Singh / Etsuko Tsuda
11:00 – 11:15	TEA		
11:15 – 11:45	Advances in imaging techniques for assessment of myocardium in KD	Etsuko Tsuda	Priyankar Pal
11:45 – 12:00	Artificial intelligence in evaluating coronary artery lesions in KD	Pankaj Gupta	Surjit Singh
12:00 – 13:00	Oral presentations	Delegates	Sandesh Guleria / Saji Philip
LUNCH			
14:00 – 15:00	Cardiovascular Follow-up and role of Stress testing in KD	Etsuko Tsuda	Deepti Suri / Saji Philip
15:00 – 16:00	CT Coronary Angiography in KD		

	Why is CTCA necessary in KD?	Rakesh Pilania	Surjit Singh / Tapas Sabui / Manphool Singhal / Priyankar Pal
	When should CTCA be performed in KD?	Suprit Basu	
	How is CT done? / Hardware / Sedation / Technique (retrospective / prospective gating) / Contrast dosing / preparation, infusion / Positioning / window / Role of radiologist / technologist / Heart rate stabilization	Arun Sharma / Shrishti Sharma / Rakesh Pilania / Rishika Mehta	
	Radiation optimization and acquisition of CTCA data	Manphool Singhal	
16:00 -16:15	TEA		
16:15 – 17:00	Statins, Beta Blockers, and ACE Inhibitors: Role and Safety in Kawasaki Disease	Sanjeev Naganur / Etsuko Tsuda	Vignesh P / Surjit Singh
Day 4 (25.03.2025)			
09:00- 10:00	Long-term health in young adults with a history of KD and normal coronary arteries	Etsuko Tsuda	Rakesh Pilania / Sanjeev Nagnur
10:00 – 10:30	CTCA anatomy and pathologies of coronary arteries in KD	Arun Sharma	Manphool Singhal
10:30 – 10:45	TEA		
10:45 – 11:15	Current status of CTCA in KD	Manphool Singhal	Surjit Singh
11:15 – 12:15	Oral presentations	Delegates	Tapas Sabui / Etsuko Tsuda
12:15 – 12:30	2024 AHA Update on diagnosis and management for KD	N Johnson	Rakesh Pilania
12:30– 12:45	Steroids in KD – an eternal enigma	Tapas Sabui	Vignesh P / Surjit Singh
12:45 – 13:00	KD in older children and adults - Not Just a Kid’s disease!	Reva Tyagi	
LUNCH			
14:00 – 15:00	Surgical Interventions for coronary artery revascularization in children with obstructive coronary artery lesions due to KD: Principles, indications, and techniques	Etsuko Tsuda	Surjit Singh
15:00 – 15:15	Comparison of Echo vs. CTCA in Coronary Artery Assessment of KD	Manjari Agarwal	Rakesh Pilania

15:15 – 15:30	Can we apply ECHO-based Z scores on CTCA diameters?	Sathish Loganathan	Rakesh Pilania
15:30 – 15:45	TEA		
15:45 – 16:15	Oral presentations	Delegates	Saji Philip / Tapas Sabui
16:15 – 17:00	KD coronary artery sequelae – Clinical decision-making in choosing the surgical modality	Etsuko Tsuda	Surjit Singh
Day 5 (26.03.2025)			
09:00 – 10:00	Health Care Transition for Adults with Coronary Arterial Lesions in KD: Our Experience in Japan	Etsuko Tsuda	Surjit Singh
10:00 – 10:15	Health Care Transition for Adults with Coronary Arterial Lesions in KD: Indian Scenario	Sanjeev H Naganur	Rakesh Pilania
10:15 – 10:30	TEA		
10:30 – 10:45	Impact of KD on Adult Coronary Artery Disease	Deepti Suri	Saji Philip
10:45 – 11:15	Treatment of Kawasaki Disease – Circa 2024	Sandesh Guleria / Abhay Shivpuri	Rakesh Pilania
11:15- 11:30	Treatment intensification in KD – When, why, how	Abarna T	Surjit Singh
11:30 – 11:45	Kawasaki disease shock syndrome	Munish Arora	
11:45– 12:00	KD in Infants – The Ultimate Medical Riddle	Pallavi Nadig	
12:00 – 13:00	Case studies for Coronary Artery Bypass Graft in obstructive coronary lesions	Etsuko Tsuda	Deepti Suri / Manphool Singhal
LUNCH			
14:00 – 15:00	Oral presentations	Delegates	Manjari Agarwal / Etsuko Tsuda
15:00 – 15:45	Case-based approach: Percutaneous Transluminal Coronary Rotational Atherectomy for obstructive coronary artery lesions	Etsuko Tsuda	Rakesh Pilania
15:45 – 16:00	Tea		
16:00 – 17:00	Award ceremony, assessment feedback, valedictory, and adjourn	Rakesh Pilania / Surjit Singh	