



# GLOBAL INITIATIVE OF ACADEMIC NETWORKS (GIAN)

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



22<sup>nd</sup> – 26<sup>th</sup>,  
March, 2025



**Auditorium  
Advanced Pediatrics Centre**



Course Co-ordinators:  
**Dr. Rakesh Kumar Pania**  
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**Prof. Surjit Singh:**  
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*Guest Faculty*



**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.



ORGANISED BY

**Allergy Immunology Unit, Advanced Pediatrics Centre,  
PGIMER, Chandigarh  
WHO Collaborating Centre for Education,  
Research and Training in Pediatric Immunology**

<http://www.gian.iith.ac.in>

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Registration

# 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.

## Course Details

Duration: March 22-26, 2025  
16 hrs of lectures and 12 hrs of Tutorials

### Lecture Schedule

Day-1	Lecture 1: Epidemiology of cardiovascular sequelae in Kawasaki disease (ET, 1 hr)
	Lecture 2: Kawasaki Disease a Medium Vessel Vasculitis: A Growing Public Health Concern for Acquired Heart Disease in Children (SS, 1 hr)
	Lecture 3: Giant coronary artery aneurysms – long-term fate (ET, 1 hr)
	Lecture 4: Missed Kawasaki disease pressing as young adult coronary artery disease – role of CT coronary angiography (RKP, 1 hr)
	Tutorial 1: Assessing Cardiovascular Risk in Children with Kawasaki disease: (ET, 2 hrs)

## Course Details

Duration: March 22-26, 2025  
16 hrs of lectures and 12 hrs of Tutorials

### Lecture Schedule

#### Day-2

Lecture 5: 2D-echocardiography in coronary arteries and myocardial assessment - guidelines, practical issues (ET, 1 hr)

Lecture 6: Dual Source CT Coronary Angiogram: A Valuable Tool for Coronary Artery Imaging in Children with Kawasaki Disease (RKP, 1 hr)

Lecture 7: Cardiac Magnetic Resonance Imaging in Kawasaki Disease - where do we stand (ET, 1 hr)

Tutorial 2: My most challenging cases: Coronary Artery Thrombosis, Calcifications, and Stenosis in Kawasaki Disease (SS, 1 hr)

Tutorial 3: Antiplatelet Therapy in Kawasaki Disease: Indications, Duration, and Monitoring (RKP, 1 hr)

Tutorial 4: Thrombolysis in coronary artery aneurysmal thrombosis - cases base approach (ET, 1 hr)

#### Day-3

Lecture 8: Advances in imaging techniques for coronary arteries and myocardial function late after Kawasaki disease (ET, 1 hr)

Lecture 9: Frequency and Recommendations for Cardiovascular Follow-Up and Imaging/Stress Testing (ET, 1 hr)

Tutorial 5: Cardiovascular biomarkers in Kawasaki disease - which biomarker to use and how to interpret in a given patient (SS, 1 hr)

Lecture 10: Long-term health in young adults with a history of Kawasaki disease and normal coronary arteries (ET, 1 hr)

Tutorial 6: Anticoagulation Options in Kawasaki disease and coronary artery disease: Low Molecular Weight Heparin vs. Warfarin vs. Direct Oral Anticoagulants (ET, 1 hr)

Lecture 11: Expanding Cardiovascular Horizons in Kawasaki Disease: Insights from Cardiac MRI Beyond Coronary Arteries during follow-up (SS, 1 hr)

Tutorial 7: Statins, Beta Blockers, and ACE Inhibitors: Role and Safety in Kawasaki Disease (ET, 1 hr)

Tutorial 8: Interval CT coronary angiography for follow-up of coronary artery lesions in Kawasaki disease - Case-based approach (RKP, 1 hr)

#### Day-4

Lecture 12: Can early and aggressive treatment of KD bring down Coronary artery abnormalities near Zero (RKP, 1 hr)

Lecture 13: Surgical Interventions for Coronary Artery Revascularization in children with obstructive coronary artery lesions due to Kawasaki disease: Principle, indications and techniques (ET, 1 hr)

Lecture 14: Long-term vascular (endothelial) dysfunction in Kawasaki disease (SS, 1 hr)

Lecture 15: Coronary Artery Bypass Graft versus Percutaneous Transluminal Coronary Rotational Atherectomy in obstructive coronary artery lesions late after KD - Clinical decision-making in choosing the surgical modality (ET, 1 hr)



## Course Details

### Day-4

Tutorial 9: Unveiling Distal Coronary Artery Abnormalities in Kawasaki Disease: Insights from Dual Source radiation optimized CT Coronary Angiography (SS, 1hr) Lecture 16: Health Care Transition for Adults with Coronary Arterial Lesions secondary to childhood vasculitis: Our experience at Japan (ET, 1 hr)

Tutorial 10: How can we improve the long-term follow-up of children with KD in India (RKP, 1 hr)

Tutorial 11: Case studies for Coronary Artery Bypass Graft in obstructive coronary lesions (ET, 1 hr)

Tutorial 12: Case-based approach: Percutaneous Transluminal Coronary Rotational Atherectomy for obstructive coronary artery lesions (ET, 1 hr)

### Day-5

Lecture 16: Health care transition for adults with coronary arterial lesions secondary to Kawasaki disease: Our experience in Japan (ET, 1 hr)

Tutorial 10: How can we improve the long-term follow-up of children with Kawasaki disease in India (RKP, 1 hr)

Tutorial 11: Case studies for coronary artery bypass graft in obstructive coronary lesions (ET, 1 hr)

Tutorial 12: Case-based approach: Percutaneous Transluminal Coronary Rotational Atherectomy for obstructive coronary artery lesions (ET, 1 hr)

Date of Examination: March 26, 2025

### Who can Attend?

- Postgraduate students in Pediatrics, Internal Medicine, Emergency Medicine
- Postdoctoral Fellows (Pediatric Rheumatology, Adult Rheumatology, Cardiology, Infectious diseases, Clinical Immunology, Emergency Medicine)
- Research Scholars, PhD fellows
- Faculty and practicing physicians from both government and private sectors from the streams of Pediatrics, Pediatric Rheumatology, Adult Rheumatology, Cardiology, Emergency Medicine
- Scientific staff working in life sciences, biotechnology, biomedical and pharmaceutical industry, and professional labs working in these areas in the public and private sectors.

### How to Register?

Fill the google form using the following link to complete the registration: <https://forms.gle/5iV1xVwbCMEvjxsNA>

**Note: Registration is essential for participation. There are no registration charges.**

### Course Co-Ordinators & Host Faculty:



**Prof. Surjit Singh:** Prof. Surjit Singh is the chief of Pediatric Allergy Immunology Unit and Head of Department of Pediatrics, Postgraduate Institute of Medical Education and Research, Chandigarh, India.  
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