

KSUM 2026

THE 57TH ANNUAL CONGRESS OF
THE KOREAN SOCIETY OF ULTRASOUND IN MEDICINE

MAY 7 (THU) - 8 (FRI), 2026 | COEX, SEOUL, KOREA



Speaker : Ji Young Ha

Affiliation : Pusan National University Children's Hospital, Department of Radiology

Specialty : Pediatric

Lecture Title : US for Pediatric Joint Evaluation

PT_No. : CC03-S2

Pediatric joint pain is a common clinical presentation with a broad spectrum of underlying etiologies, ranging from benign, self-limiting conditions to serious infections or malignancies. While ultrasonography has been well established as a primary tool in the evaluation of developmental dysplasia of the hip (DDH), its role extends far beyond screening in infants. In daily clinical practice, ultrasound serves as a first-line imaging modality for children presenting with joint-related symptoms due to its accessibility, lack of radiation, and capability for dynamic assessment.

Compared with adults, pediatric joints have distinct anatomical and physiological characteristics, including thicker cartilage, unossified epiphyses, and physiologic vascularity. These differences can both enhance the utility of ultrasound and introduce potential diagnostic pitfalls. Therefore, a structured and practical approach is essential when interpreting pediatric joint ultrasound findings.

In this lecture, we focus on the practical application of ultrasound in evaluating pediatric joint pain beyond DDH. Emphasis will be placed on standardized scanning techniques, recognition of normal developmental features, and differentiation of common pathological conditions such as transient synovitis, septic arthritis, and juvenile idiopathic arthritis. Through this approach, ultrasound can be effectively integrated into clinical decision-making for pediatric patients with joint symptoms.