

# TECHNOLOGY BRIEF

## PROM

### The Index for Clinical Assessment of Post-Thrombotic Syndrome in Children (CAPTSure)

#### Description

Post-Thrombotic Syndrome (PTS) is a long-term complication of venous blood clots (thrombosis). Our group conducted a series of studies that aimed to develop a measurement tool to diagnose and determine the severity of PTS affecting the arms or legs of children who had a deep vein thrombosis.

To develop the new tool entitled the Index for Clinical Assessment of Post-Thrombotic Syndrome in Children (CAPTSure) we first gathered signs and symptoms relevant to PTS from patients and pediatric thrombosis experts, and later piloted each one of these signs and symptoms in children at risk of PTS (i.e., children with venous clots in their arms or legs). We then asked experts to use the information we collected and their clinical experience to choose which signs and symptoms should remain in the new tool.

There are several differences with the existing tools: 1) we developed this tool with the participation of an international panel of patients and pediatric thrombosis experts; 2) the tool measured PTS separately for arms and a for legs, as it is possible that clinical manifestations are different between them; 3) following the opinion of experts, CAPTSure assesses more symptoms than current pediatric tools; 4) each item of the tool (signs and symptoms) is scored based on its importance; a higher final score represents worse or more severe PTS; and 5) the final score has been shown to be convey meaningful information in the pediatric setting.

The tool has two components: one for patients to complete (symptoms) and the other for clinicians (signs). The patient portion contains graphics that assist in understanding the questions.

#### Therapeutic Area

- Deep Vein Thrombosis

#### Advantages

- This tool provides guidance to clinicians on the diagnosis and severity rating of PTS in pediatric patients.
- We are integrating the tool in EPIC; the patient reporting component has been fully developed.

#### Additional Information

- As with any clinical tool, the results should always be interpreted by a physician.
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