

## **Imaging and interventions for lymphatic flow disorders in children**

In recent years there has been a resurgence of interest in the lymphatic system driven by advances in lymphatic imaging and interventions. The lymphatic system plays a crucial role in immune regulation, fat absorption, and tissue fluid recirculation.

Dysregulation of lymphatic fluid flow can lead to lymphatic leaks, tissue congestion, lymphedema, and related symptoms. Patients with certain types of congenital heart disease, elevated central venous pressure, or congenital lymphatic conduction abnormalities are particularly susceptible to lymphatic derangements such as chylothorax, plastic bronchitis, protein losing enteropathy and ascites.

Historically, a lack of lymphatic imaging and interventional techniques led to poor understanding of these disease and poor outcomes. However, this has now changed, and new lymphatic imaging and interventional techniques have resulted in improved understanding of the etiology of these diseases and improved outcomes for these patients.