

# IAEA/ESNM Webinar Series on Paediatric NM

## Nuclear Medicine Evaluation of gastroesophageal reflux and pulmonary aspiration in children

### Learning Objectives

1. Provide relevant clinical background on the presentations and significance of gastroesophageal reflux and pulmonary aspiration in children
2. Learn about the various diagnostic tests for the detection of gastroesophageal reflux and pulmonary aspiration and the role of nuclear medicine studies in these evaluations
3. Learn about the technical aspects of performing milk scans in children: preparations, feeding protocol, acquisition protocol
4. Learn to interpret scintigraphic findings indicating gastroesophageal reflux
5. Provide clinical background on different types of pulmonary aspiration, their clinical presentations, risk factors for aspiration and consequences
6. Learn about the ability of milk scans to detect pulmonary aspiration
7. Learn about the significance of aspiration of salivary secretions in the etiology of recurrent pulmonary infections
8. Understand the role of the radionuclide salivagram in the evaluation of children with suspected pulmonary aspirations.
9. Learn about the salivagram study protocol and the scintigraphic findings indicating aspiration of saliva.