

# Parathyroid Imaging



Facilitators  
Luca Giovanella  
Murat Tuncel  
Michael Kreissl  
Petra Petranovic  
Desiree Deandreis

Introduction		
5 min	Introduction	Desiree Deandreis
Sessions (3:20h)		
40 min	Embryology, anatomy and physiology of PT glands	Murat Tuncel
40 min	Diagnosis of hyperparathyroidism, indications for therapy and the role of imaging	Luca Giovanella
40 min	US and ancillary techniques (FNAC, FNAC-PTH)	Michael Kreissl and Murat Tuncel
40 min	Cross-sectional imaging (CT, 4D-CT, RM)	Michael Kreissl
40 min	Molecular Imaging	Petra Petranovic
End of the course		

**Description of Content:**

This online course will offer a comprehensive exploration of the anatomy, physiology, and diagnostic tools related to parathyroid glands disorders. The course will cover a range of topics, including the regulation of parathyroid hormone (PTH) secretion and his mechanisms of action, etiology, clinical manifestations, and notably the diagnostic approaches ( laboratory and imaging) , and treatment modalities especially concerning hyperparathyroidism.

**Target audience:**

This course is designed for Nuclear Medicine Physician, Endocrinologist, Radiologist

**Learning objectives:**

Attendees will gain insights into structure and function of the parathyroid glands, earning about etiology, clinical manifestations, diagnostic approaches focused on nuclear medicine and radiological techniques and treatment modalities of hyperparathyroidism. Through lectures, and case studies, participants will acquire the knowledge and skills necessary to diagnose and manage parathyroid disorders