

Introduction

The incidence of thyroid nodules and of nodular goiter has steadily increased over the last decades. In most cases these lesions are harmless and asymptomatic and warrant no treatment, but a reliable diagnosis is mandatory for planning their management and for the treatment of the minority of them that cause local symptoms or are at risk of cancer. History and physical examination are still cornerstones in the clinical management of thyroid nodular disease. However, ultrasound (US) imaging is now an indispensable tool in every day practice for the categorization of the risk of malignancy in thyroid nodules. Moreover, US imaging provides accurate guidance for diagnostic procedures and is increasingly employed for minimally invasive treatment of benign symptomatic lesions.

The present **Course** is aimed to provide the state of art of the diagnostic and therapeutic use of US and US-assisted procedures for the management of thyroid nodular disease together with a real hands-on experience and the discussion of clinical cases with experts in the field.

Mindray and **Elesta** are collaborating with the Department of Endocrinology and Metabolism and the Department of Diagnostic Imaging and Interventional Radiology, **Regina Apostolorum Hospital**, Albano Laziale (**Rome**), Italy, in organizing this advanced course.

The main objectives are to review the state of art in thyroid US diagnostic criteria for thyroid lesions and to teach how to perform US-guided needle insertion and Ablation therapy for the treatment of thyroid nodules.

Educational targets. At the end of the course, the participants will be able to:

- ✓ *Recognize the US patterns of thyroid nodules suggestive of malignancy and the use of US Classification Systems.*
- ✓ *Refine the methods for US-guided needle targeting of thyroid nodules.*
- ✓ *Apply novel non surgical interventional approaches to treat benign thyroid nodules and selected thyroid malignancies.*

DAY 1 - Scientific Program - September 26, 2019

09:00-09:20	Welcome and Opening speech
09:20-09:45	Course Introduction and Learning Objectives
9:45-11:15	Interventional Ultrasonography: Live Cases Room 1: US-guided Laser procedures and Core Needle Biopsy Room 2: Diagnostic US-guided FNA and ethanol ablation
11:15-11:30	<i>Coffee break</i>
11:30-13:00	Interventional Ultrasonography: Live Cases Room 1: US-guided Laser procedures Room 2: Diagnostic US-guided FNA and ethanol ablation
13:00-14:00	<i>Lunch break</i>
	Live Cases Diagnostic and Interventional Ultrasonography- Interactive Lectures
14:00-14:30	US Examination: Basic principles and equipment optimization
14:30-15:00	US classification and indication to FNA for thyroid nodules
15:00-15:15	<i>Coffee break</i>
15:15-15:45	Laser treatment procedures: Basic principles, equipment and feasibility
15:45-16:15	An Integrated Approach to the Management of Nodular Disease
16:15-16:30	Mindray Ultrasound Solutions in Endocrinology
16:30-16:45	EchoLaser System presentation
16:45-17:15	Question Time
17:30-18:00	Conclusions

DAY 2 - Scientific Program - September 27, 2019

08:45-09:00	Learning Objectives and Drill-Down
09:00-10:30	Interventional Ultrasonography: Live Cases Room 1: US-guided Laser procedures and Core Needle Biopsy Room 2: Diagnostic and Therapeutic US-guided procedures
10:30-10:45	<i>Coffee break</i>
10:45-12:00	Interventional Ultrasonography: Hands-on Session Hands-on: Ultrasound Guided Procedures on Dummies
12:00-13:15	Minimally-invasive procedures for thyroid malignancy Clinical cases discussion
13:15-13:45	<i>Lunch break</i>
13:45-14:00	Conclusions & Attendance Certificates

Info

Venue

Ospedale Regina Apostolorum
Via S. Francesco d'Assisi, 50, 00041
Albano Laziale RM, Italy
http://www.reginapostolorum.com/come_raggiungerci.php

Suggested Accommodation

Hotel Miralago
Via dei Cappuccini, 12, 00041 Albano Laziale RM, Italy

Language

The official language of the Course is English
The Course is reserved to 8 participants with interest in thyroid disease.