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Titolo	Advanced Thyroid and Parathyroid Ultrasound // edited by Mira Milas, Susan J. Mandel, Jill E. Langer
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ISBN	3-319-44100-0
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXII, 468 p. 528 illus., 381 illus. in color.)
Disciplina	617
Soggetti	Surgery Endocrinology Otolaryngologic surgery Radiology General Surgery Endocrinology Head and Neck Surgery Ultrasound
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Selection and Set-up of Ultrasound in Point-of-Care Medical Practice -- Principles of Ultrasound Relevant for Advanced Sonographers -- Understanding Knobology and Optimal Settings for Clinician-Performed Ultrasound -- The Use of Vascular Ultrasound and Doppler Settings in Thyroid and Parathyroid Diseases -- 3D Ultrasound -- Elastography: Applications and Limitations of New Technology -- Anatomy: Normal Landmarks for Conducting Thyroid and Parathyroid Ultrasound -- Pattern Recognition for Cancer Risk-Stratification in Ultrasound of Thyroid Nodules -- Pattern Recognition: Multinodular Goiter -- Pattern Recognition: Hashimoto's Thyroiditis -- Pattern Recognition: Graves' Disease -- Ultrasound Imaging of Embryological Variants and Anomalies of the Thyroid -- Artifacts and Eponyms in Thyroid Ultrasound -- Features of Malignancy in Thyroid Nodules -- Pattern Recognition: Calcifications and Hyperechoic Foci -- Sonographic

Features and Management of Cervical Nodal Metastasis -- Evaluation of the Central Neck: Why, When, How -- Evaluation of the Lateral Cervical Nodal Basins: Why, When, How -- Imaging of the Re-operative or "Empty" Neck -- Anatomic Appearance and Distribution of Abnormal Parathyroid Glands -- Ultrasound as a Localization Technique in Primary Hyperparathyroidism -- Ultrasound in Scenarios of Multigland Parathyroid Disease -- The Procedure of Ultrasound-guided Percutaneous Biopsy of Thyroid and Parathyroid Lesions -- Thyroid FNA: When to Perform and When to Avoid -- Parathyroid FNA: Indications and Interpretation -- Pearls and Pitfalls of Ultrasound-Guided Fine Needle Aspiration -- Alcohol Ablation of Thyroid and Parathyroid Lesions -- HIFU: High-Frequency Ultrasound Ablation for Thyroid and Parathyroid Disease -- Laryngeal Ultrasound -- The Role of Ultrasound in Determining Eligibility for Remote Access and Robotic Surgery -- Intraoperative Use of Ultrasound in Thyroid and Parathyroid Surgery -- Pediatric Thyroid and Parathyroid Ultrasound -- Ultrasound for Surgeons: What I learned from Lifetime Practice -- Ultrasound for Endocrinologists: What I learned from Lifetime Practice -- Ultrasound for Radiologists: What I learned from Lifetime Practice -- Ultrasound for Primary Care Practitioners -- Ultrasound as a Component of the Medical School Curriculum -- Innovations on the Horizon for Ultrasound -- Key Components of a Comprehensive Thyroid and Parathyroid Ultrasound Report -- Pathways to Ultrasound Certification.

Sommario/riassunto

This textbook provides a comprehensive, state-of-the-art review of ultrasound in thyroid and parathyroid diseases, and will serve as a valuable resource for all clinicians and allied healthcare providers who wish to advance their knowledge and skills in sonography. Although a novice sonographer will be able to understand all of the topics, these are presented from a vantage point of complex decision-making encountered in real clinical scenarios. The sections are organized according to a logical structure covering benign and malignant thyroid conditions, parathyroid disease, and ultrasound technology, ultrasound-guided interventions, and innovations. The style of the chapters provide practical, actionable information that is richly illustrated with figures and links to video cine-clips, as these form the real-time advantage of ultrasound compared to other imaging modalities. Since thyroid and parathyroid ultrasound is now mainly clinician-performed, the chapter topics aim to show how different specialists uniquely apply ultrasound in given clinical scenarios. The text illustrates the optimal incorporation of current practice guidelines, as this remains varied and inconsistent among clinicians. The content is written by invited experts who perform ultrasound in their daily clinical practices and participate in teaching ultrasound nationally and internationally. It conveys the most up-to-date scientific and clinical information in an interactive and visual format. Advanced Thyroid and Parathyroid Ultrasound fills a gap in currently available resources by serving as a single resource unifying information relevant to multiple specialists interested in advanced thyroid and parathyroid ultrasound. It provides a practical, concise yet comprehensive summary of the current status of the field that will help guide patient management. .
