

1. Record Nr.	UNINA9910337524403321
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Titolo	Diseases of the Chest, Breast, Heart and Vessels 2019-2022 [[electronic resource]] : Diagnostic and Interventional Imaging / / edited by Juerg Hodler, Rahel A. Kubik-Huch, Gustav K. von Schulthess
Pubbl/distr/stampa	Cham, : Springer Nature, 2019 Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-11149-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (VIII, 238 p. 137 illus., 25 illus. in color.)
Collana	IDKD Springer Series, , 2523-7829
Disciplina	616.0757
Soggetti	Radiology Respiratory organs—Diseases Oncology Cardiology Imaging / Radiology Pneumology/Respiratory System Oncology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. A Systematic Approach to Chest Radiographic Analysis (Klein, J., L. Rosado-de-Christenson, M.) -- Chapter 2. Missed Lung Lesions: Side by Side Comparison of Chest Radiography with MDCT (Tack, D., Howarth, N.) -- Chapter 3. Approach to Imaging of Mediastinal Conditions in the Adult (Bhalla, S., Marom, E.) -- Chapter 4. Plain Film and HRCT Diagnosis of Interstitial Lung Disease (Desai, S., Galvin, J., Prosch, H.) -- Chapter 5. CT Diagnosis and Management of Focal Lung Disease (Abbott, G., Vlahos, I.).-Chapter 6. Current Approach to Acute and Chronic Airway Disease (Grenier, P., Kanne, J.) -- Chapter 7. Imaging of Pulmonary Infections (Franquet, T., Chung, J.) -- Chapter 8. Current Concepts in Diagnosis and Staging of Lung Cancer (Carter, B., Erasmus, J.) -- Chapter 9. Diseases of the Chest Wall Pleura and Diaphragm (Kelly, A., Frauenfelder, T.) -- Chapter 10. Pediatric Chest Disorders (Hart, A., Lee, E.) -- Chapter 11. Chest

Manifestations of Systemic Disease (Schaefer-Prokop, C., Elicker, B.) -- Chapter 12. Thoracic Trauma (Ketai, L., Primack, S.) -- Chapter 13. Diagnosis and Staging of Breast Cancer: When and How to Use Mammography, Tomosynthesis and Ancillary Imaging Techniques (Gilbert, F., Comstock, C., Pinker-Domenig, K.) -- Chapter 14. Follow up of Patients with Breast Cancer: Imaging of Local Recurrence and Distant Metastases (Bick, U., Helbich, T.) -- Chapter 15. CT & MRI of Suspected Ischemic Heart Disease (including CTA) (De Roos, A., Nikolaou, K.) -- Chapter 16. Imaging of Non-ischemic Cardiomyopathy (Bluemke, D., Teague, S.) -- Chapter 17. Modern Diagnosis in the Evaluation of Pulmonary Vascular Disease (Bankier, A., Dennie, C.) -- Chapter 18. Imaging of Acute Aortic Syndrome (Grist, T., Rubin, G.) -- Chapter 19. Pre-and Post Aortic Endovascular Intervention: What a Radiologist Needs to Know (Bley, T., Roos, J.) -- Chapter 20. Non-invasive Angiography of Peripheral Arteries (Leiner, T., Carr, J.).

Sommario/riassunto

This open access book focuses on diagnostic and interventional imaging of the chest, breast, heart, and vessels. It consists of a remarkable collection of contributions authored by internationally respected experts, featuring the most recent diagnostic developments and technological advances with a highly didactical approach. The chapters are disease-oriented and cover all the relevant imaging modalities, including standard radiography, CT, nuclear medicine with PET, ultrasound and magnetic resonance imaging, as well as imaging-guided interventions. As such, it presents a comprehensive review of current knowledge on imaging of the heart and chest, as well as thoracic interventions and a selection of "hot topics". The book is intended for radiologists, however, it is also of interest to clinicians in oncology, cardiology, and pulmonology.