CHEST RADIOLOGY

104[™] Scientific Assembly and Annual Meeting Radiological Society of North America McCormick Place, Chicago

November 25-30 Meeting.RSNA.org #RSNA18



Accreditation and Designation Statements

The Radiological Society of North America (RSNA®) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The RSNA designates this live activity for a maximum of **99.25** *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Commission on Accreditation of Medical Physics Education Program (CAMPEP) has approved the direct transfer of *AMA PRA Category 1 Credit*[™] to MPCEC on a credit-for-credit basis for medical physicists.

Corporate Symposium

Please refer to each course description in the online program to determine if CME credit is offered for the session. Instructions on claiming credit will be provided during the course. CME credit for the Corporate Symposiums will be provided through a third party provider and not through RSNA.

Walk Through The Week

CME Learning Checkpoint

CME Learning Checkpoint Exhibit ED020 (CT-Guided Fiducial Placement for Preoperative Localization of Small Pulmonary Nodules: How We Do It)

Session ED020 . . . CME Learning Checkpoint Community

SUNDAY. NOV 25. 2018

Case of the Day Chest Sunday Case of the Day Session ED003-SU.....Case of Day, Learning Center

10:45 AM-12:15 PM

Scientific Papers Sessions Chest (Emphysema/COPD) Nuclear Medicine (Chest and Cardiovascular Nuclear Imaging)

11:00 AM-12:30 PM

Educational Courses Case Review: Lung-RADS - Bring Your Own Device (Hands-on) Course RCC11S402AB

12:30-1:00 PM

Posters and Exhibits: Discussions Chest Sunday Poster Discussions Session CHS-SUA. . . . CH Community, Learning Center

1:00-1:30 PM

Posters and Exhibits: Discussions Chest Sunday Poster Discussion Session CHS-SUB. . . . CH Community, Learning Center

1:30-6:00 PM

Educational Courses Interventional Oncology Series: Lung, Kidney and Bone

2:00-3:30 PM

Educational Courses
Interstitial Lung Disease: Update 2018
Course RC101
Rapid Fire: 80 Cardiac Cases in 80 Minutes Course RC103S406B
Pediatric Series: Fetal/Neonatal Imaging Course RC113E352

4:00-5:45 PM

Plenary Sessions

Sunday Afternoon Plenary Session
Session PS12Arie Crown Theater

MONDAY, NOV 26, 2018

Case of the Day Chest Monday Case of the Day Session ED003-MO.....Case of Day, Learning Center

8:30 AM-12:00 PM

8:30-10:00 AM

10:30 AM-12:00 PM

 Scientific Papers Sessions

 Chest (Lung Cancer Screening)

 Session SSC03

 Emergency Radiology (Thoracic, Cardiac and Vascular)

 Session SSC04

12:15-12:45 PM

Posters and Exhibits: Discussions Chest Monday Poster Discussions Session CHS-MOA CH Community, Learning Center

12:45-1:15 PM

Posters and Exhibits: Discussions Chest Monday Poster Discussions Session CHS-MOB CH Community, Learning Center

1:30-3:30 PM

Educational Courses

Evaluación Post-tratamiento en el Paciente Oncológico: Post Cirugía, Quimioterapia, Radioterapia, Inmunoterapia: Sesión del Colegio Interamericano de Radiología (CIR) en Espanol / Post-treatment Evaluation in the Oncological Patient: Post Surgery, Chemotherapy, Radiotherapy, Immunotherapy: Session of the Interamerican College of Radiology (CIR) in Spanish

Session SPSP21

3:00-4:00 PM

Scientific Papers Sessions
Chest (Airway Disease)
Session SSE05 N230B

4:30-6:00 PM

Educational Courses

Chest and Abdomen (Case-based Competition)
Session SPDL21

TUESDAY, NOV 27, 2018

Case of the Day Chest Tuesday Case of the Day Session ED003-TU Case of Day, Learning Center

8:30-10:00 AM

Educational Courses Essentials of Chest Imaging Course MSES31
BOOST: Lung-Oncology Anatomy (Interactive Session) Course MSR035
Pulmonary Vascular Imaging Course RC301 S104B
Emerging Technology: Dual Energy and Spectral CT Update 2018 Course RC317

8:30 AM-12:00 PM

Educational Courses
Interventional Series: Venous Disease
Course RC314

10:30 AM-12:00 PM

Educational Courses

Case-based Review of Nuclear Medicine: PET/CT Workshop-
Chest and Musculoskeletal PET/CT (In Conjunction with
SNMMI) (Interactive Session)
Course MSCC32 E450B

BOOST: Mediastinum and Pleura-Oncology Anatomy	
(Interactive Session)	
Course MSR036	S103CD

10:30 AM-12:00 PM

Plenary Sessions
Tuesday Morning Plenary Session
Session PS31E451B

10:30 AM-12:00 PM

Scientific Papers Sessions Chest (Lung Nodule) Session SSG03......S504AB

12:15-12:45 PM

Posters and Exhibits: Discussions Chest Tuesday Poster Discussions Session CHS-TUA..... CH Community, Learning Center

12:30-2:00 PM

12:45-1:15 PM

Posters and Exhibits: Discussions Chest Tuesday Poster Discussions Session CHS-TUB..... CH Community, Learning Center

1:30-2:30 PM

Scientific Papers Sessions	
BOOST: Lung, Mediastinum and Pleura	
Session MSR037 8	S103CD

3:00-4:15 PM

3:00-4:00 PM

 Scientific Papers Sessions

 Science Session with Keynote: Chest (Thoracic MRI)

 Session SSJ05
 S404AB

 Science Session with Keynote: Nuclear Medicine (Chest/

 Breast Oncology Nuclear Imaging)

 Session SSJ17
 S504CD

 Physics (Diagnostic X-Ray)

 Session SSJ21
 N229

4:30-6:00 PM

Educational Courses
Occupational Lung Disease
Course RC401......E450A

WEDNESDAY, NOV 28, 2018

Case of the Day Chest Wednesday Case of the Day Session ED003-WE.....Case of Day, Learning Center

8:30 AM-12:00 PM

8:30-10:00 AM

Educational Courses

Lung Cancer Screening Diagnosis Live (Interactive Session)
Course RC501 E353C
Fundamentals of Imaging for the Radiation Oncologist
Course RC520 S104A

10:30 AM-12:00 PM

10:30 AM-12:00 PM

12:15-12:45 PM

Posters and Exhibits: Discussions Chest Wednesday Poster Discussions Session CHS-WEA CH Community, Learning Center

12:45-1:15 PM

Posters and Exhibits: Discussions Chest Wednesday Poster Discussions Session CHS-WEB CH Community, Learning Center

1:30-3:00 PM

3:00-4:00 PM

Scientific Papers Sessions	
Chest (Vascular/Interventional)	
Session SSM05	S404CD
Chest (Diffuse Lung Disease)	
Session SSM06	S402AB

3:30-5:00 PM

Educational Courses Case-based Review of Thoracic Radiology (Interactive Session) Course MSCT42 S406A

4:30-6:00 PM

Educational Courses

Controversy Session: Marginally Operable Stage I Non-small Cell Lung Cancer: Cut or Shoot (Surgery vs Radiation)? Session SPSC41 E353C

THURSDAY, NOV 29, 2018

Case of the Day Chest Thursday Case of the Day Session ED003-TH Case of Day, Learning Center

8:30-10:00 AM - etic -. .

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Educational Courses
Practical HRCT of the Lung (Interactive Session)
Course RC601 N228
Diseases of the Thoraco-abdominal Aorta
Course RC612 S503AB

10:30 AM-12:00 PM

Scientific Papers Sessions
Cardiac (Great Vessels and Cardiopulmonary Disease) Session SSQ02S404AB
Chest (Radiomics) Session SSQ04 E353A
Chest (Functional Lung Imaging/Dual-Energy CT/Radiation Dose Reduction) Session SSQ05

12:15-12:45 PM

Posters and Exhibits: Discussions Chest Thursday Poster Discussions Session CHS-THA..... CH Community, Learning Center

12:45-1:15 PM

Posters and Exhibits: Discussions Chest Thursday Poster Discussions Session CHS-THB..... CH Community, Learning Center

3:00-4:00 PM

4:30-6:00 PM

FRIDAY, NOV 30, 2018

8:30-10:00 AM

Educational Courses

MR Imaging in the	Ihorax	
Course RC803		E353C

10:30 AM-12:00 PM

12:30-3:00 PM

Posters and Exhibits Discussions

(CME is available when the author is present for discussion during the lunch period)

SUNDAY, NOV 25, 2018

12:30-1:00 PM

Scientific Posters EGFR Exon19 and Exon21 Mutations Prediction by CT-Based Radiomics Features in Lung Adenocarcinom CH258-SD-SUA3 Station #3

Electromagnetic Navigational Bronchoscopy (ENB) as an Emerging Diagnostic Tool: The Role of MDCT and the Relevance of the "CT Bronchus Sign"

CH257-SD-SUA2 Station #2

Using Deep Learning to Predict Emphysema in Early Lung Cancer Screening Low-Dose CT Scan

CH259-SD-SUA4 Station #4

12:30-1:00 PM

1:00-1:30 PM

1:00-1:30 PM

Education Exhibits

Radiologic Patterns of Immune Checkpoint Inhibitor-Associated Pneumonitis and Management According to 2018 ASCO Guidelines: A Primer for the Radiologist CH239-ED-SUB5 Station #5

MONDAY, NOV 26, 2018

12:15-12:45 PM

Scientific Posters

CH265-SD-MOA2 Station #2

Prediction of Response to Endobronchial Coiling Based on Morphologic Emphysema Characterization of the Lung Lobe to be Treated and the Ipsilateral Non-Treated Lobe as well as on Functional CT-Data: Correlation with Clinical and Pulmonary Function

CH267-SD-MOA4 Station #4

12:15-12:45 PM

12:45-1:15 PM

Scientific Posters

Assessment of Different Lung Cancer Subtypes: Diagnostic Value of Quantitative Dual-Energy CT lodine Maps Combined with Morphological CT Features

Radiography at Intensive Care Unit: Effects on Image Quality and Radiation Dose

CH272-SD-MOB4 Station #4

Machine Learning-Based Analysis of MRI Radiomics: Pathological Classification and Clinical Staging Prediction of Thymic Epithelial Tumors

CH270-SD-MOB2 Station #2

Visibility of Intralobular Bronchioles by Ultra-High Resolution CT

CH269-SD-MOB1 Station #1

Workup of Positive Findings on Baseline Lung Cancer Screening: Implications of the Use of Two Protocols and Methods of Nodule Measurement

CH273-SD-MOB5 Station #5

12:45-1:15 PM

Education Exhibits

MR Imaging of The Lung Pathology: Why and How? CH242-ED-MOB6 Station #6

Recent Modifications to the TNM Lung Cancer Stage Classification: Wait, What? How Do I Do That? CH243-ED-MOB7 Station #7

TUESDAY, NOV 27, 2018

12:15-12:45 PM

Scientific Posters

STIR Turbo Spin-echo Imaging versus Contrast-Enhanced Thin-Section CT: Capability for Chest Wall Invasion Assessment in Candidates for Surgical Resection due to Non-Small Cell Lung Cancer CH278-SD-TUA5
Thin-Section CT May Identify the Cases Meeting the Histological Criteria of Interstitial Pneumonia with Autoimmune Features Among the Population Showing Usual Interstitial Pneumonia Pattern Fibrosis CH274-SD-TUA1
12:15–12:45 PM Education Exhibits Imaging After Conventional and Stereotactic Body Radiation Therapy in the Thorax CH246-ED-TUA7
Radiomics in Lung Cancer: State of the Art CH245-ED-TUA6Station #6
12:45–1:15 PM Scientific Posters Inter-Observer Agreement in the Classification of Perifissural Nodules as Lymphnodes on Chest CT CH282-SD-TUB4
Is a Chest CT Alone Sufficient to Determine Progression of Disease in Stage 4 Lung Cancer Clinical Trial Patients? CH280-SD-TUB2
Predicting Pathological Noninvasiveness in T1 Non-Small Cell Lung Cancer on Chest CT Scan Using Deep Learning Algorithm CH281-SD-TUB3Station #3
Quantitative Computed Tomography Phenotypes, Spirometric Parameters, and Clinical Findings in Heavy Smokers CH279-SD-TUB1
T1 Mapping in Thoracic Neoplasms: Initial Experience CH283-SD-TUB5 Station #5
12:45–1:15 PM Education Exhibits Imaging Follow-Up After Radiofrequency Ablation (RFA) in Patients with Early Stage Non-Small Cell Lung Cancer (NSCLC): An Experience-Based Pictorial Review CH248-ED-TUB7
Lung Cancer: What Radiologists Should Know

CH247-ED-TUB6..... Station #5

WEDNESDAY, NOV 28, 2018

12:15-12:45 PM

Differences of CT Bone Density, Pulmonary Function, and Bone Mineral Density According to Smoking Status and Amount in Healthy Men

CH284-SD-WEA1 Station #1

Hepatocellular Metastasis in the Thorax

CH285-SD-WEA2 Station #2

Interstitial Lung Abnormalities in Stage IV Non-Small Cell Lung Cancer Patients: A Validation Study for the Association with Poor Clinical Outcome

CH287-SD-WEA4 Station #4

CH286-SD-WEA3 Station #3

12:15-12:45 PM

Education Exhibits

Quantitative Computed Tomography Analysis of Diffuse Lung Disease

CH250-ED-WEA8 Station #8

12:45-1:15 PM

Scientific Posters

Automatic Detection Algorithm for Active Pulmonary Tuberculosis on Chest Radiographs

CH295-SD-WEB6 Station #6
Evaluation of Deep Bone Suppression Imaging (deepBSI) for
Lung Nodule Detection: A Comparative Study
CH292-SD-WEB3 Station #3

Hemodynamic Status of Main Pulmonary Artery in Pulmonary Hypertension

CH294-SD-WEB5 Station #5

Lung Nodule Detection Performance Using a Deep Convolutional Neural Network Model Using Wide Detector Spectral Ct Monochromatic Imaging? A Preliminary Phantom Study

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CH291-SD-WEB2 ..... Station #2
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12:45-1:15 PM

Education Exhibits

2017 Updates to the Fleischner Society Guidelines for Management of Small Pulmonary Nodules Detected on CT Scans: What the Radiologist Should Know CH251-ED-WEB7...... Station #7

THURSDAY, NOV 29, 2018

12:15-12:45 PM

Scientific Posters

CT Air Trapping Assessment in Usual Interstitial Pneumonia Pattern CH298-SD-THA3
Dual-Layer Detector Spectral CT (DLCT) for Assessing the Lymph Node Metastasis of Lung Cancer CH300-SD-THA5
Improving Measurement Variability of Radiomics for Lung Nodules between Different Reconstruction Kernels at CT: Convolutional Neural Networ-based Kernel Conversion CH301-SD-THA6
Outcome of PET/CT Negative Solid Pulmonary Nodule: A Retrospective Study CH296-SD-THA1
The Imaging Features of TSCT Predict the Expression of PD-L1 in Patients with Surgical Resection of Lung Adenocarcinoma CH299-SD-THA4
Utilization of Bone Suppression Imaging by Using Deep Learning on Chest Radiograph: Detectability of Lung Nodules and Exploring for Effectual Interpretation Methods CH297-SD-THA2

CH297-SD-THA2..... Station #2

12:15-12:45 PM

Education Exhibits I Can See Your Halo CH254-ED-THA8 Station #8

Thoracic Devices in 2018: A Comprehensive Pictorial Review of Devices Seen on Chest Radiograph CH253-ED-THA7......Station #7

12:45-1:15 PM

Scientific Posters

Assessment of Invasive Pulmonary Adenocarcinoma and Non-Invasive Pulmonary Adenocarcinoma in Pure Ground Glass Nodules with the Maximum Diameter Less Than 1cm Using Quantitative CT CH302-SD-THB1..... Station #1 Association Between CT Texture Characteristics and EGFR Gene Mutation of Lung Adenocarcinoma CH306-SD-THB5 Station #5 Comparison of Novel Whole Nodule First Pass Analysis versus Standard Maximum Slope Model in the Detection of Lung Malignancies using Low-Dose CT Perfusion CH307-SD-THB6..... Station #6 Imaging-Based Surrogate Markers of Epidermal Growth Factor Receptor (EGFR) Mutation in Lung Adenocarcinoma: A Local Perspective CH303-SD-THB2 Station #2 Logistic Regression Model of Thin-Slice Computed Tomography Features Differentiate Invasive Lung Adenocarcinoma Appearing as Subsolid Nodules within 5 to 10 mm in Diameter CH305-SD-THB4 #4 Quantitative Mass Analysis of Early Lung Adenocarcinoma Showing Subsolid Nodules on Low Dose Computed Tomography CH304-SD-THB3 Station #3

12:45-1:15 PM

Education Exhibits

Education Exhibits

SPACE NO. EXHIBIT TITLE

CH001-EB-X	Keep Bleeding Lung: Radiological Findings in Pulmonary Hemorrhage
CH002-EB-X	Advanced Non-Small Cell Lung Cancer CT Characteristics in the Era of Molecular Medicine: Correlation with ALK and EGFR Molecular Phenotype
CH003-EC-X	Pulmonary Hydatid Cysts - What Are CT Features Should We Know?
CH004-ED-X	Hemoptysis A to Z : What the Radiologist Needs to Know
CH005-EB-X	Vascular Complications of Pulmonary Resection: A Pictorial Review
CH100-ED-X	Imaging of Precision Therapy for Lung Cancer: Update in Genomic, Therapeutic, and Imaging Perspectives
CH101-ED-X	Survival Guide to Multi-disciplinary Interstitial Lung Disease Conference
CH102-ED-X	Current Concepts and Pitfalls in the Multidisciplinary Diagnosis of Fibrosing Interstitial Pneumonias
CH103-ED-X	Not Always Clear: Radiographic Clearance of the Mediastinum in the Emergency Department
CH104-ED-X	Imaging Findings in Pulmonary Vasculitis: A Pattern-Based Approach
CH105-ED-X	Esophageal Carcinoma: Do You Know
CH106-ED-X	Esophagitis: It Is Not only About Gastroesophageal Reflux Disease
CH107-ED-X	Upper Lobe Predominant Diseases
CH108-ED-X	Acquired and Congenital Pulmonary Artery Pathologies: Thinking Beyond the Embolism
CH109-ED-X	Non-Tumorous Diseases of the Sternum: At the Front Gate of the Anterior Chest Wall
CH110-ED-X	Shades of Gray: Pitfalls and Problem Solving for Subsolid Densities

CH111-ED-X	Imaging and Prognostic Factors of Non Tuberculous Mycobacterium Pulmonary Disease (NTM-PD)
CH112-ED-X	Breast Findings on Cross-Sectional Imaging: What the Body Radiologist Needs to Know
CH113-ED-X	Computer-Aided Analysis of Progression of Idiopathic Pulmonary Fibrosis: Comparison of Pathological Findings
CH114-ED-X	Unusual Imaging Manifestations of Pulmonary Histoplasmosis
CH115-ED-X	Application of Contrast-Enhanced Ultrasound in Guiding Percutaneous Pleural and Peripheral Lung Biopsies
CH116-ED-X	Pre and Post-Operative Imaging Findings of Chronic Thromboembolic Pulmonary Hypertension (CTEPH): What the Surgeon Needs to Know
CH117-ED-X	How to Optimize Scans of Triple-rule-out CT Angiography for Chest Pain Patients with Wide Coverage Detector
CH118-ED-X	Adenocarcinoma of the Lung: Spectrum of Disease with Radiological-Pathological Correlation, Diagnostic Management, and Prognostic Implications
CH119-ED-X	Patterns of Malignant Dissemination in the Chest
CH120-ED-X	Direct and Indirect Findings of Pulmonary Embolism on Pulmonary Magnetic Resonance Angiography: What to Look for and Where These Findings Will Be Located
CH121-ED-X	Imaging of Asthma and Asthma Related Conditions
CH123-ED-X	Pulmonary Vein Mapping: What the Radiologist Needs to Know!
CH124-ED-X	Pitfalls of Bone Suppression on Chest Radiograph: Anatomic Structures Falsely Suppressed
CH125-ED-X	Oncologic Imaging: Thoracic Vascular Emergencies
CH126-ED-X	Micronodular Patterns on High-Resolution Chest CT
CH127-ED-X	Cardiopulmonary Devices the Unknown, the Overlooked, and the Misplaced

CH128-ED-X	Sarcoidosis: Pitfalls in Diagnosis-A Case-Based Review
CH129-ED-X	Correlation Between the Genomic Abnormalities and CT Features of Lung Adenocarcinoma
CH130-ED-X	Lungs N' Silicosis: A Guide to Imaging for Common and Uncommon Manifestations
CH131-ED-X	Esophageal Emergencies: As Another Important Cause of Acute Chest Pain
CH132-ED-X	CT Findings of Common and Uncommon Pulmonary Infections After Lung Transplantation
CH133-ED-X	Take Me Hilar: Pulmonary Artery Diseases Affecting Blood Flow
CH134-ED-X	The God of Small Thoracic Things: Review of Chest Anatomical Variants and Benign Pathologies Which Have Potential for Diagnostic Pitfalls
CH135-ED-X	Imaging of Congenital and Acquired Thoracic Venous Anomalies: What the Radiologist Needs to Know
CH136-ED-X	The Changing Face of Lung Cancer Treatment-Expected Imaging Appearances Following Modern Non-Surgical Treatments: What the Radiologist Needs to Know
CH137-ED-X	The Many Faces of Pulmonary Sarcoidosis
CH138-ED-X	Esophageal Cancer: Role of Imaging in Primary Staging and Assessment of Response to Neoadjuvant Therapy
CH139-ED-X	Radiology-Pathology Correlation of Primary Pericardial Tumors and Tumor-Like Lesions
CH140-ED-X	Mediastinal Mass Mania! Radiographic and Cross-Sectional Correlation of Common Mediastinal Neoplasms
CH141-ED-X	Thoracic Manifestations of Vascular Malformation Disorders
CH142-ED-X	Tissue Characterization by Thoracic MRI with Histopathologic Correlation
CH143-ED-X	Comprehensive Review of Hemoptysis: Imaging and Treatment

CH144-ED-X	Pictorial Review of Aortic Dissection After Endovascular Repair: What Radiologists Need to Know
CH145-ED-X	Acute Pulmonary Embolism: The Role of the Radiologist from Diagnosis to Treatment
CH146-ED-X	Mucormycosis of the Lung: Spectrum of Findings with Pathology Correlation and Evolution of Disease
CH147-ED-X	Tracheobronchial Tumors: Imaging Findings with Pathological Correlation
CH148-ED-X	Chronic Lung Allograft Dysfunction (CLAD): What the Radiologist Should Know
CH149-ED-X	Please Don't Upstage These Lung Cancers! Mimics of Metastatic Disease in Lung Cancer Staging
CH150-ED-X	Pulmonary Infections in Immunocompromised Patients: A Clinico-Radiological Approach
CH151-ED-X	STOP! Not All Masses are Malignant: A Review of CT Spectrum of Pulmonary Tuberculosis
CH152-ED-X	Pulmonary Fungal Infection in Hematopoietic Stem Cell Transplant (HSCT) Recipients
CH153-ED-X	Lung Ultrasound in Pediatric Thoracic Imaging: An Inspiring Approach
CH154-ED-X	Chronic/Persistent/Migratory Airspace Disease: Causes and Radiographic Findings
CH155-ED-X	Review of Different Underlying Causes of Life-Threatening Hemoptysis
CH156-ED-X	Prediction of Postoperative Lung Function in Patients before Pneumonectomy: Dual-Energy -CT with Lung Perfusion Blood Volume Comparison of Perfusion Scintigraphy
CH157-ED-X	Dual-Energy CT for Pulmonary Artery Embolism: How "To Do It" potential Benefits and Pitfalls
CH158-ED-X	Thoracic Manifestations of Neurological Disorders: A Comprehensive Pictorial Review

CH159-ED-X	Radiologic Review of Lung Adenocarcinoma
CH160-ED-X	Clinical and Imaging Overview of Aspergillosis
CH161-ED-X	Lung Subtraction Imaging by Single- Energy CT for Evaluation of Chronic Thromboembolic Pulmonary Hypertension (CTEPH) Before and After Balloon Pulmonary Angioplasty
CH162-ED-X	Interstitial Lung Disease of Inherited Origin: CT-Pathologic Correlation
CH163-ED-X	Pictorial Review of Malperfusion Caused by Aortic Dissection
CH164-ED-X	Bronchiectasis in 2018: Classification, Imaging Findings, and Beyond
CH165-ED-X	Approach to Various Fat Containing Lesions in Thoracic Imaging
CH166-ED-X	It's Not All in Your Head: Thoracic Manifestations of Neurologic Diseases and Disorders
CH167-ED-X	Do You Really Know CT Findings of Chronic Hypersensitive Pneumonia?
CH168-ED-X	The How, Why, and What of Imaging and Quantification of Emphysema Prior to Lung Volume Reduction
CH169-ED-X	Whole-Lung Dynamic Respiratory CT: Novel Respiratory Function Examination by Dynamic Wide Volume Scanning Using 320-Row ADCT
CH170-ED-X	Interstitial Pneumonia Strongly Suspected of Being Associated with Connective Tissue Disease: Disease Concept, CT Findings, and Pathological Findings
CH171-ED-X	The Salivary Gland Tumor Also Can Appear in the Lung: What the Radiologist Should Know
CH172-ED-X	Let Me Show You Real Radiological Findings of Drug Induced Lung Diseases
CH173-ED-X	Uncommon and Challenging Imaging Manifestations of Lung Adenocarcinoma
CH174-ED-X	Differential Diagnosis of Ground Glass Opacity (GGO) on HRCT: A Must for Thoracic Radiologist
CH175-ED-X	Beyond T.B.: Non-Infectious Granulomatous Diseases of the Chest

CH176-ED-X	Black Holes and Cavitations: Musings on Cavitating Lung Nodules
CH177-ED-X	Beyond Chronic Pneumonia: A Review of the Non-Infectious Causes of Chronic Airspace Disease
CH178-ED-X	"Breaking Bud:' A New Twist to Tree-In-Bud Pattern in Bronchiolitis
CH179-ED-X	Pulmonary Vein Stenosis - Not Your Usual Suspect
CH180-ED-X	HRCT Findings in Pulmonary Tuberculosis in Patients with HIV/AIDS
CH181-ED-X	State-Of-The-Art Imaging in Chronic Thromboembolic Pulmonary Disease
CH182-ED-X	To the Rescue: An Overview of Hemodialysis Reliable Outflow (HeRO) Graft Imaging
CH184-ED-X	Ultra-High-Resolution CT Contributes to Reduce Radiation Dose in High-Contrast Regions
CH185-ED-X	CT Appearances of Emphysema in Never Smokers with Interstitial Lung Disease
CH186-ED-X	Pulmonary Metastasis? Where Are You From?
CH187-ED-X	Nail It! Lesions of the Chest with Novel, Pathognomonic T1 and T2 Weighted Imaging Findings That Allow Specific Diagnosis
CH188-ED-X	Features and Complications of Pleuroparenchymal Fibroelastosis in Interstitial Lung Disease
CH189-ED-X	Pneumocystis Jirovecii Pneumonia in Non-HIV Immunocompromised Patients: Chest High-Resolution Computed Tomography (HRCT) Findings and Differential Diagnosis
CH190-ED-X	Evaluation of Noise Reduction Techniques in Chest CT
CH191-ED-X	Correlation Between Lung Perfusion Blood Volume (Lung PBV) and Mosaic Perfusion on CT Images in Patients with Chronic Thromboembolic Pulmonary Hypertension (CTEPH) Before and After Balloon Pulmonary Angioplasty (BPA)

CH192-ED-X	Sacrificing Dose Without Sacrificing Diagnostic Quality: Benefits of Model- Based Iterative Reconstruction CT with Focus on Acute Thoracic Imaging
CH193-ED-X	Imaging of Chronic Obstructive Pulmonary Disease (COPD) Using Hyperpolarized Xenon (HPX) MRI, Ventilation and Perfusion Single Photon Emission Computed Tomography (V/Q-SPECT), and Volumetric High- Resolution Thin-Section CT (vHRCT)
CH194-ED-X	The Reverse Halo Sign: What It Means and What Causes It
CH195-ED-X	Transdiaphragmatic Pathologies: Anatomical Background, Pathologies and Spread of Disease on Cross Sectional Imaging with Pathological Correlation
CH196-ED-X	Modern Technical Adaptations for High Resolution CT (HRCT) Imaging of the Lungs
CH197-ED-X	Novel Cardiopulmonary Devices, Purpose, and Imaging Appearances
CH198-ED-X	Understanding the Air Trapping and Causes from HRCT
CH199-ED-X	How Does the Immunological Status of the Patient Alter the Face of Pulmonary Tuberculosis?
CH200-ED-X	Update on Imaging of Non-Aortic Thoracic Vessel Tumors
CH201-ED-X	Manifestations of Mediastinal Hemangiomas: Spectrum of CT Findings with Pathological correlation and Their Significance
CH202-ED-X	Intrathoracic Lymph Node Calcification: Rockin' the Differential
CH203-ED-X	Early Stage Lung Cancer Therapy: What Every Radiologist Should Know
CH204-ED-X	Imaging of the Post-Operative Chest and Complications
CH205-ED-X	Colour the Abnormality: Multi-Energy CT of the Thorax
CH206-ED-X	TNM 8th Edition in the Staging of Lung Adenocarcinoma Spectrum: What the Radiologist Needs to Know

CH207-ED-X	Life After Tuberculosis. Typical and Atypical Thoracic TB Sequelae and Long-Term Complications
CH208-ED-X	Common Variable Immune Deficiency - What Does the Radiologist Need to Know?
CH209-ED-X	What's New in Interstitial Lung Disease? Bronchiolocentric Interstitial Pneumonia: Anatomo-Radiologic Correlation
CH210-ED-X	Evaluation of Cystic Pericardial Masses: Not for the Faint of Heart
CH211-ED-X	Constrictive Bronchiolitis: Spectrum of HRCT Features and Differential Diagnosis
CH212-ED-X	Epipericardial Fat Necrosis: The Often Forgotten Culprit on Chest CT and CTA Scans Ordered in the Emergency Department
CH213-ED-X	Imaging in Lung Transplantation: a Practical Guide for Radiologists
CH214-ED-X	Xenon Ventilation CT for Various Pulmonary Diseases
CH215-ED-X	Advanced Imaging of Non-Tumoral Chest Diseases
CH216-ED-X	The Esophagus 2.0: The Missing Spot for Chest Radiologist
CH217-ED-X	Mutlimodality Imaging of the Extrapleural Space: A Primer for the Radiologist
CH218-ED-X	Micro CT and Histopahological Image Registration Based on Deep-Learning Assisted Image Registration
CH219-ED-X	Imaging Approach to Immunoglobulin G4 -Related Lung Disease
CH220-ED-X	Staging the Gray Areas: Recognizing Defined Situations and Proposals for Undefined Scenarios in Lung Cancer Staging
CH221-ED-X	Clinical Aspects Relating to Acute Pulmonary Embolism Imaging
CH222-ED-X	Nonthrombotic Pulmonary Embolism (NPE): A Pictorial Roadmap
CH223-ED-X	Imaging Spectrum of Tuberculosis on CT Chest
CH224-ED-X	Pulmonary Cryptococcosis: Computed Tomography (CT) Findings in Immunocompetent and Immunocompromised Patients

CH225-ED-X	Imaging of Complicated Pneumonia in the Pediatric Population
CH226-ED-X	Differential Diagnosis of Thoracic Lymphadenopathy
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