

American Society of Radiologic Technologists essentialeducation

asrt.org/EdSolutions

Catalog for Educators

This catalog includes information about our most popular resources and programs for the classroom. Additional information can be found online at asrt.org/EdSolutions or asrt.org/Store.

| R E | SOURCES FOR THE CLASSROOM | P A G E |
|-----|--|---------|
| | Computed Tomography | 1 |
| | Radiography Safety and Simulation | 2 |
| | Bone Densitometry and Breast Imaging | 4 |
| | Radiography and Fluoroscopy | 5 |
| | EZ Compliance and Registered Radiologist Assistant | 6 |
| | Magnetic Resonance and Cross-Sectional Anatomy | 7 |
| | Interventional | 8 |
| | Radiation Therapy and Medical Dosimetry | 9 |
| | Leadership and Faculty Development | . 10 |
| | Order Form | 1-12 |

The **Most Efficient Use** of **Your Instructional Time** Save time and optimize student engagement.



Save Time

Ready-to-use, quality content Clear learning objectives Up-to-date topics in the radiologic sciences Library of images for PowerPoint presentations and handouts



Foster Learning

Interactive eLearning formats Compatible with learning management systems Convenient and easily accessible transcripts Engaging animations and illustrations

Assess Performance

Relevant knowledge checks Comprehensive test banks with answer keys Student certificates to recognize achievement ASRT's easy-to-follow courses introduce students to the complexities of challenging subjects and add interactivity to your curriculum.

Get started today!

asrt.org/EdSolutions



Computed Tomography



Fundamentals Principles, Parameters, and Display **Data Acquisition** Image Processing and Reconstruction **Image Quality Radiation Safety and Dose** Patient Safety in Computed Tomography Patient Care in Computed Tomography **CT Cross-sectional Anatomy CT Procedures Additional Procedures CT Pathology**



CT Basics 2.0

- Engage students with comprehensive and interactive learning modules.
- Teach CT radiation safety, image guality, patient care and common procedural applications.
- Access a test bank of 300 questions and an image library with more than 1,000 images.

Equip your students with the skills, knowledge and understanding to succeed in computed tomography.

Member Price: \$1,700 Retail Price: \$2,400

asrt.org/CT2Edu



CT Basics 2.0: Nuclear Medicine

- **Cover CT content** applicable to nuclear medicine.
- Prepare students for CT questions on the • NMTCB exam.
- Access a test bank with 120 questions and a library with 85 illustrations and 334 images.

Member Price: \$900

Retail Price: \$1,200

asrt.org/CT2NMEdu





CT Basics 2.0: Radiation Therapy

- Cover the components of the CT simulator.
- Explain the role of simulation in preparing a • patient for radiation therapy.
- **Review common CT** simulation procedures.
- Access the test bank and image library. •

Member Price: \$900

asrt.org/CT2RadTherEdu

Retail Price: \$1.200



ASRT Essential Education Catalog

Radiography Safety and Simulation



MODULES

Introduction to Health Care Safety Workplace Safety Risk Management Patient Transfer and Transport Patient Fall Prevention Infection Control Practices Medication Safety Wrong Site, Wrong Procedure, and Wrong Person Sentinel Event Policy and Prevention Radiation Protection



MODULES

Age-specific Imaging **Bony Thorax Chest and Abdomen Distal Lower Extremity Distal Upper Extremity** Fluoroscopy: Part 1 Fluoroscopy: Part 2 **Gastrointestinal Studies** Mobile Radiography Pelvis **Proximal Lower Extremity** Proximal Upper Extremity Sinuses and Mandible **Skull and Facial Bones** Spine **Trauma Radiography**

Safety Essentials

- Teach the fundamentals of patient safety.
- Explain strategies for safe patient care.
- Demonstrate proper patient transport skills.
- **Provide students** with an understanding of infection control practices.

Focus on quality patient care and prevention of medical errors as outlined in The Joint Commission patient safety performance requirements. Includes bonus hand washing and hygiene posters.

Member Price: **\$1,400** Retail Price: **\$2,000**

asrt.org/SafetyEssentialsEdu

Radiography Safety and Simulation

- Detailed positioning techniques, with practical instructions and real clinical images.
- Step-by-step patient preparation, positioning instructions and image acquisition.
- **Tailored education and performance improvement** for individual students.
- Transcripts of each module and a certificate of achievement template.

Prepare your students for clinical practice with this series of step-by-step guides featuring every common radiography examination. These modules cover patient care, examination preparation, positioning, technical factors, anatomy of interest and image quality criteria. Each examination is explained in detail and demonstrated in images featuring real equipment in real clinical environments.

Two ways to buy depending on your needs:

- Radiography Positioning Guide: Sixteen modules as listed on the left.
- Exam-Specific Radiography Positioning Guide: Sixty-four brief but detailed modules that include several projections of common radiography examinations.

Same price for either option.

Member Price: \$1,800

Retail Price: \$2,500

Learn more and see the complete list of modules at: asrt.org/PositioningEdu

Radiography Safety and Simulation



ASRT members receive discounted rates on virtual positioning tools that demonstrate procedures, review anatomy and help students practice collimation and positioning.



X-ray Simulator Desktop Product by

VitaSim

The desktop radiography simulator was created and developed by VitaSim, an educational software company based in Denmark. ASRT has partnered with VitaSim to offer the desktop simulator in the ASRT Store.



Ziltron Radiography Simulators

- Bridge classroom learning and clinical experience anytime, anywhere.
- Create a motivational learning environment with interactive simulators.
- Teach anatomy, collimation and positioning.

Annual Educator Access per Student Member Price: \$39.95

Retail Price: \$69.95

asrt.org/RadSimulators

VitaSim X-ray Simulator

- Enhance learning and increase engagement in your classroom.
- **Prepare students** for rotations by focusing on skill mastery.
- **Improve lab efficiency** with anytime access to the simulator.

Educator Access per Semester, Year or Enrollment Member Price: Custom + 20% off

Retail Price: **Custom**

asrt.org/VitaSim

Bone Densitometry and Breast Imaging



Fundamentals Osteology Pathology Treatment and Prevention Equipment Scanning Preparation and Safety Pediatric Skeletal Health Assessment Essentials of FRAX Essentials of VFA DXA Scanning of the Lumbar Spine DXA Scanning of the Proximal Femur DXA Scanning of the Forearm Patient Care and Bone Health Risk Factors Precision Studies, Serial Scanning, and QC



MODULES

Fundamentals of Breast Imaging Digital Equipment and Image Production Digital Image Evaluation Breast Anatomy Pathology Digital Quality Control and Regulations Patient Care Digital Procedures and Techniques Breast Ultrasound Digital Breast Tomosynthesis

Bone Densitometry Basics

- Cover the basics of osteology, pathology, equipment and safety.
- Describe each step of FRAX, VFA and each DXA scan.
- Obtain consistent results with precision studies and quality control.
- Access test bank and image library.

Introduce your students to bone densitometry with this comprehensive educational series. Everything from the fundamentals to the step-by-step process of each scan and procedure is explained.

Member Price: \$1,400

•

Retail Price: **\$2,000**

asrt.org/BoneDensitometryEdu

Breast Imaging Essentials

- **Teach the fundamentals** of digital mammography, breast imaging equipment and techniques for ensuring image quality.
- **Review** breast anatomy and pathology.
- Describe strategies for communicating with patients.
- Access test bank and image library.

Help your students build a solid foundation in breast imaging with this detailed series. This product describes the technology and techniques required for mammographers to provide excellent patient care and produce high-quality images.

Member Price: \$1,400

Retail Price: \$2,000

asrt.org/BreastImagingEdu

ASRT Essential Education Catalog

4

Radiography and Fluoroscopy



MODULES

Fundamentals Processing Display Image Analysis PACS Dose Reduction and Patient Safety Quality



COURSES

Radiation Protection and Safety Operation and Safety of Fixed Fluoroscopy Units Regulation and Radiation Protection Mobile Unit Operation and Safety Radiation Protection of the Eye Image Quality and Analysis

Essentials of Digital Imaging

- Cover the fundamental aspects of digital imaging.
- Explain how technology has advanced medical imaging.
- Provide students with a solid understanding of digital technology.
- Access test bank and image library.

Support your students with animations, videos and a collection of images that reveal the dynamics of producing, analyzing and storing digital images in the real-world work environment of today.

Member Price: **\$900** Retail Price: **\$1,200**

asrt.org/DigitalImagingEdu

Fluoroscopy

- **Expand your students'** technical fluoroscopy skills and accuracy.
- Teach radiation measurements, biological effects of radiation, principles of radiation protection and how to limit radiation risks.
- Improve your students' knowledge about fluoroscopy operation, safety and ethics.
- **Explain legal responsibilities** and federal and state regulations related to fluoroscopy.

This fluoroscopy series, which covers radiation protection, regulation and image quality for fixed and mobile fluoroscopy units, is the perfect learning tool for the classroom.

Member Price: **\$500** Retail Price: **\$625**

asrt.org/FluoroscopyEdu

EZ Compliance and Registered Radiologist Assistant



MODULE CATEGORIES

Best Practices Patient Populations Patient Care Workplace Safety

DOWNLOAD

•

EZ Compliance

- Choose from more than 30 modules on safe CT practices, HIPAA compliance, hand hygiene and more.
- View most modules in 15 minutes or less.
- Access certificates that can be filled out for each participant.

EZ Compliance can help keep your students up to date. This series addresses common concerns in patient and employee safety.

Online versions of the modules are included with Student Group membership. Visit asrt.org/StudentGroup for more information.

Member Price: **\$2,500** Retail Price: **\$3,000**

asrt.org/EZCompliance



MODULES

Neurological Procedures Esophageal Evaluation Upper Gastrointestinal Procedures Bowel Exams Pulmonary Studies Drainage Procedures Diagnostic Urography Therapeutic Fluid Removal Injections and Biopsies Non-oral Contrast Studies



- **Review the step-by-step process** of physician extender imaging examinations and procedures.
- **Recognize the indications,** contraindications and complications of clinical procedures performed by physician extenders.
- **Identify** patient, medication and radiation safety factors in clinical imaging procedures.

These interactive modules cover the 13 procedures identified as mandatory in the Summary of Clinical Experience and Competence Assessments for the certification exam.

Member Price: \$1,400

Retail Price: \$2,000

asrt.org/RRAEssentialsEdu

Magnetic Resonance and Cross-Sectional Anatomy



MODULES

Fundamentals Equipment and Instrumentation Radiofrequency and Gradients Image Production Parameters Contrast Media Pulse Sequences Safety Essentials Image Quality Neuroimaging Body and Joint Imaging Pathology Part 1 Pathology Part 2





MODULES

Introduction to Sectional Anatomy The Cranium and Facial Bones The Brain The Spine The Neck The Thorax The Abdomen The Pelvis The Extremities

MR Basics

- Teach the complex science of MR in an easy-to-follow format.
- **Explain** properties of magnetic fields.
- **Demonstrate the physics of MR** through illustrative animation sequences.
- Review the essentials of safe MR practices.
- Access the test bank and extensive image library.

Teach the basics of MRI and topics found in the ASRT MR curriculum in an easy-to-follow format with colorful images and engaging animations.

Member Price: **\$1,700** Retail Price: **\$2,400**

asrt.org/MRBasicsEdu

Cross-Sectional Anatomy

- **Explore comprehensive learning modules** developed for radiologic technology students.
- Guide students through a detailed exploration of human anatomy.
- Apply learning modules to all modalities.

Teach anatomical structures using high-quality MR and CT images, which allow students to explore the location and function of major anatomical structures in the human body.

Member Price: **\$1,300** Retail Price: **\$1,800**

asrt.org/Cross-SectionalAnatomyEdu

Interventional



MODULES

Introduction to Cardiac Catheterization Conduction System Studies Arrhythmia Ablation Procedures Device Implantation Right Heart Hemodynamics and Calculations Percutaneous Coronary Intervention Intracardiac Imaging Studies Mechanical Devices and Coronary Artery Excision Percutaneous Cardiac Valve Interventions Intracardiac Devices, Fluid Removal and Biopsy Procedures Basic Equipment and Instrumentation Pharmacology Basics

Cardiac Interventional Radiography Bundle

- **Explain** the basics of cardiac catheterization.
- Explore step-by-step descriptions of many common procedures.
- Access transcripts for each module.

Prepare your students to work in the exciting and demanding environment of the cardiac catheterization lab. This series covers indications and contraindications, preparation, positioning, safety and more.

Member Price: \$1,400

Retail Price: \$2,000

asrt.org/Store





MODULES

Fundamentals

Basic Equipment and Instrumentation Therapeutic Equipment and Instrumentation Patient Care Pharmacology Basics Interventional Pharmacology Venous Access Procedures Dialysis Management Neurologic Procedures Thoracic Procedures Abdominal Arterial Procedures Abdominal Venous Procedures GI and GU Nonvascular Procedures Peripheral Vascular Procedures

Vascular-Interventional Essentials

- Teach equipment, patient care, and pharmacology.
- Prepare students with detailed procedural information.
- Access more than 300 interventional clinical images and a test bank.

Introduce your students to one of the most exciting and rapidly-growing practice areas in the radiologic sciences! This online series lays the foundation for vascular interventional radiology, with detailed modules covering everything from patient care to explanations of common procedures.

Member Price: **\$1,800** Retail Price: **\$2,500**

asrt.org/VascularInterventionalEdu

Radiation Therapy and Medical Dosimetry



MODULES

- Radiation Therapy Simulation Procedures: Brain, Head and Neck, Skeletal Radiation Therapy Simulation Procedures:
- Chest, Breast, Abdomen and Pelvis Cranial Spinal, Brain, and Head and Neck
- Irradiation Radiation Therapy Procedures of the Thorax
- and Abdomen Radiation Therapy Procedures of the Breast
- Radiation Therapy Procedures of the Pelvis, Spine and Extremities
- Total Body Irradiation, Electron Beam, and Brachytherapy Procedures

Radiation Therapy Essentials

- Instruct your students on treatment techniques for the entire body.
- **Discuss patient preparation**, positioning and the application of treatment plans.
- Access test bank.

This series of educational presentations will introduce your students to CT simulation and radiation therapy treatment techniques, including considerations for many specific diseases. These presentations discuss immobilization, imaging and technical settings, and the application of treatment plans.

Member Price: \$1,100

Retail Price: \$1,400

asrt.org/Store





Image-guided Radiation Therapy

- Demonstrate sophisticated technologies and techniques to improve accuracy.
- Increase students' confidence and understanding of quality issues.

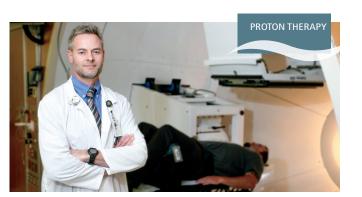
Retail Price: \$900

- **Introduce your students** to a rapidly advancing medical approach in radiation oncology.
- Access the test bank and image library.

Member Price: \$700

PDF





Proton Therapy

- Teach the pros and cons of proton treatments.
- Explain the complexities of proton therapy equipment.
- **Save time** and optimize student engagement.

Member Price: **\$280** Re

Retail Price: **\$400**

asrt.org/ProtonTherapyEdu



Leadership and Faculty Development



MODULES

Introduction to Supervision Competent Communication Employment Law Performance Coaching Quality Standards Accreditation and Regulations Budgeting and Finance Project Management Leadership Skills Health Economics



•

Leadership Essentials

- **Teach employment law,** quality standards, budgeting, project management and more.
- Describe effective management strategies and competent communication.
- Examine accreditation and regulations in radiology settings.
- Access the test bank and image library.

Inspire high performance in health care by introducing key strategies for individual achievement and organizational success in any health care leadership position.

Member Price: **\$1,400** Retail Price: **\$2,000**

asrt.org/LeadershipEdu



MODULES

Transitioning From Staff Technologist to Clinical Instructor

- Are We Participating in Education or Training?
- The Clinical Instructor as Facilitator of Learning

Assessment of Clinical Performance Remediation: An Art and Science Record Keeping, Confidentiality and Legal Responsibilities

Clinical Instructor Academy

- **Help your faculty develop** the expertise needed to become confident and effective leaders.
- **Build supervisory and interpersonal skills** required for any clinical leadership position.
- Explain what it takes to be a successful facilitator of learning in a clinical setting.

This version allows you to present all six modules to your entire clinical staff and includes access to the credit version for three of your staff members. You can also purchase access to the credit version for additional staff members.

This six-part program is designed to meet the Joint Review Committee on Education in Radiologic Technology (JRCERT) standards for radiography clinical instructors and radiation therapy clinical supervisors.

Member Price: **\$540** Retail Price: **\$720**

asrt.org/CIAEdu

Educational Products Order Form

| ITEM NO. | | QTY | MEMBER/RETAIL PRICE | TOTAL |
|----------|--|-----|---------------------|-------|
| | TED TOMOGRAPHY | QTT | MEMBENNETALEFNICE | TOTAL |
| 19347 | CT Basics 2.0: Institutional Version - 2 CD Format Twelve modules, image library, test bank, transcripts and student certificate. Not for credit. | | _ \$1,700/\$2,400 _ | |
| 19348 | CT Basics 2.0: Institutional Version - Download Format Twelve modules, image library, test bank, transcripts and student certificate. Not for credit. | | _ \$1,700/\$2,400 _ | |
| 19350 | CT Basics 2.0: Nuclear Medicine: Institutional Version - 2 CD Format Six modules, image library, test bank and transcripts. Not for credit. | | _ \$900/\$1,200 _ | |
| 19352 | CT Basics 2.0: Nuclear Medicine: Institutional Version - Download Format Six modules, image library, test bank and transcripts. Not for credit. | | _ \$900/\$1,200 _ | |
| 19349 | CT Basics 2.0: Radiation Therapy: Institutional Version - 2 CD Format Six modules, image library, test bank and transcripts. Not for credit. | | _ \$900/\$1,200 _ | |
| 19351 | CT Basics 2.0: Radiation Therapy: Institutional Version - Download Format Six modules, image library, test bank and transcripts. Not for credit. | | _ \$900/\$1,200 _ | |
| RADIOO | GRAPHY SAFETY AND SIMULATION | | | |
| 14130 | Safety Essentials: Institutional Version Ten modules, transcripts, test bank and image library on two CDs. Includes bonus hand washing and hygiene posters. Not for credit. | | _ \$1,400/\$2,000 _ | |
| 19066 | Radiography Positioning Guide: Institutional Version Sixteen modules, transcripts and student certificate of achievement on two CDs. Not for credit. | | _ \$1,800/\$2,500 _ | |
| 19069 | Exam-Specific Radiography Positioning Guide: Institutional Version Sixty-four modules, transcripts and student certificate of achievement on two CDs. Not for credit. | | _ \$1,800/\$2,500 _ | |
| 16701 | Ziltron Radiography Simulators : Available online. Annual Educator Access per Student – Unlimited online access per each student for one year and Ziltron director to monitor student progress. Not for credit. | | _ \$39.95/\$69.95 _ | |
| 110035 | VitaSim X-ray Simulator: Available online. <i>Annual Educator Access per</i> <i>Student</i> – Unlimited online access per each student for one year. Not for credit. | | _ Custom _ | |
| BONED | DENSITOMETRY AND BREAST IMAGING ESSENTIALS | | | |
| 17616 | Bone Densitometry Basics: Institutional Version Fourteen modules, an image library, test bank and transcripts on two CDs. Not for credit. | | _ \$1,400/\$2,000 _ | |
| 17412 | Breast Imaging Essentials: Institutional Version Ten modules, an image library, test bank and transcripts on two CDs. Not for credit. | | _ \$1,400/\$2,000 _ | |
| RADIOO | GRAPHY | | | |
| 13920 | Essentials of Digital Imaging: Institutional Version Seven modules, image library, test bank, transcripts and student certificate on two CDs. Not for credit. | | _ \$900/\$1,200 _ | |
| 10270 | Fluoroscopy: Institutional Version Six articles in PDF format on CD. Not for credit. | | _ \$500/\$625 _ | |
| EZ CON | IPLIANCE AND REGISTERED RADIOLOGIST ASSISTANT | | | |
| 23013 | EZ Compliance: Institutional Version - Download Format Updated every year to reflect accreditation standards and state requirements. Thirty-five modules, test bank, transcripts and student certificate. Not for credit. | | _ \$2,500/\$3,000 — | |
| 19315 | Registered Radiologist Assistant Essentials: Institutional Version Ten interactive modules, plus bonus PICC line placement module, transcripts and student certificate on CD. Not for credit. | | _ \$1,400/\$2,000 _ | |

Cut or tear here

Educational Products Order Form (continued)

| ITEM NO. | SERIES | | QTY | MEMBER/RETAIL PRICE | TOTAL | |
|---|--|---|------------|---------------------------------|--------|--|
| MAGNE | TIC RESONANCE AND C | ROSS-SECTIONAL ANATOMY | | | | |
| 10106 | MR Basics: Institutional Twelve modules, image li CDs. Not for credit. | Version brary, test bank, transcripts and student certificate on two | | _ \$1,700/\$2,400 | | |
| 19610 | Cross-Sectional Anato Nine modules, test bank, for credit. | omy: Institutional Version transcripts and student certificates. Online download. Not | | _ \$1,300/\$1,800 | | |
| INTERV | ENTIONAL | | | | | |
| 19147 | | Radiography Bundle: Institutional Version nscripts for each module. Online download. Not for credit. | | _ \$1,400/\$2,000 | | |
| 16216 | Image library and a test ba | Essentials: Institutional Version nk of useful questions for educators. Not for credit. | | _ \$1,800/\$2,500 | | |
| RADIAT | ION THERAPY AND ME | DICAL DOSIMETRY | | | | |
| | | ntials : Institutional Version test bank. Online download. Not for credit. | | _ \$1,100/\$1,400 | | |
| 36720 | Eight articles in PDF form | ion Therapy: Institutional Version nat, test bank and image library on two CDs. Not for credit. | | _ \$700/\$900 | | |
| 14164 | | transcripts and student certificate on two CDs. Not for credit. | | _ \$280/\$400 | | |
| LEADER | SHIP AND FACULTY DE | VELOPMENT | | | | |
| 14720 | Leadership Essentials: Institutional Version Ten modules, transcripts and test bank on two CDs. Not for credit. | | | _ \$1,400/\$2,000 | | |
| 10700 | | ademy: Institutional Version Includes three promo codes for access to the credit series. | | _ \$540/\$720 | | |
| 10770 | | demy: Additional Access to 5.75-credit series d with Clinical Instructor Academy modules. | | \$82.50/\$110 per instructor | | |
| | | | | Shipping | \$5.00 | |
| | | | | Total | | |
| To order | | Shipping Information: | | | | |
| | | | | N. | | |
| Phone: 800-444-2778 Online: asrt.org/Store Email: memberservices@asrt.org | | Name Shipping Address | | | | |
| | 298-5063 | | | 710 | | |
| ian. Juj- | 230-3003 | CitySta | | | | |
| Mail: | | Daytime Phone () Email _ Ship to my 🗌 home or 🗌 business (UPS cannot deliver to a | P.O. Box.) | | | |
| ASRT Attn: Finance Department 15000 Central Ave. SE Albuquerque, NM 87123-3909 | | tn: Finance Department i000 Central Ave. SE Kiethod of Payment: Full payment of purchase order must accompany this form. Check one: Check or money order payable to ASRT Purchase Order No. | | | | |
| | | Complete Card No | | | | |
| | | Signature | | | | |

Promote Professionalism

asit Student Group Membership

- Includes the Radiography Roadmap[®] and Radiography SEAL[®] exams.
- Provides access to online study tools, scholarly articles, career resources and more.
- Offers 64 online radiography clinical procedure refreshers and infection control training modules. *For a limited time!*
- Costs only \$35 per student.

Enroll your class today!
image: gcoordinator@asrt.org
image: 800-444-2778, Ext. 1296



asrt.org/StudentGroup

One of my students was struggling to prepare for the registry and I was worried about her ability to pass the exam. I suggested ASRT membership and its student resources to help her get ready. After becoming a member and using the study tools, she passed on her first attempt! I really do feel that ASRT membership is a benefit to my students.

"

 Amanda Feeney, R.T.(R), Radiography Program Director, Blessing Hospital School of Radiologic Technology, Illinois



Complete Your Catalog

Radiography Positioning Guide

ast

Request a Quote

Call 505-298-4500, Ext. 1082 Email onlinece@asrt.org asrt.org/EdSolutions