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**Red - Advanced Courses**
**Green - Intermediate Courses**
**Blue - Foundational Courses**
## Computed Tomography

### Advanced Courses
- Advanced CT Imaging Techniques
- Advanced Procedures
- Cardiac CT
- Comparative Cardiac Imaging

### Intermediate Courses
- Bone Mineral Densitometry
- Case-Based Review of Abdominal Imaging
- Chest Pathology
- CT-Guided Ablation: Why, How, and When to Do It
- CT-Guided Biopsy
- Dedicated Breast CT
- Emergency Department Imaging from Head to Toe
- Functional CT
- Imaging for Peripheral Arterial Disease: A Multimodality Approach
- MR/CT Neurological Evaluation
- Musculoskeletal Injury and Pathology
- Systematic Approach to the Chest Radiograph with CT Correlation
- The Physiological Component
- Thoracoabdominal Pathology
- Volume Scanning

### Foundational Courses
- 4D Imaging in Radiation Therapy Planning
- Anatomy and Associated Pathology
- Basic CT Anatomy
- Basic CT Instrumentation and Operation
- Basic Principles and Concepts of CT Imaging
- Basics and Beyond
- CT/MR: Sectional Anatomy - The Brain
- CT/MR: Sectional Anatomy - The Cranium and Spine
- Developments in Neuro CT and MR
- Emergency Imaging
- Image Quality in CT and More
- Imaging for Stroke
- Nanotechnology in Medicine - A New Revolution
- Patient Dynamics - The Young and the Elderly

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*continued on next page*
Computed Tomography cont.

### Foundational Courses cont.
- The Brain and Nervous System
- The Patient Psyche
- Vascular Anatomy and Pathology
- What Do You Know?

### Intervventional

### Advanced Courses
- Carotid Stenting for Stroke Prevention

### Intermediate Courses
- Cardiac Interventions
- CT-Guided Ablation: Why, How, and When to Do IT
- Electrophysiology Basics - Anatomy, Physiology and Signal
- Electrophysiology Basics - Complex Pacing and Ablation Energies
- Electrophysiology Basics - History, Hardware, Vocabulary
- Electrophysiology Basics - Measurements and Simple Pacing
- Electrophysiology Basics - Ventricular Arrhythmias
- Imaging for Peripheral Arterial Disease: A Multimodality Approach
- Interventional Procedures
- Introduction to Interventional Radiology
- Nonvascular Interventions
- Prostate MRI and MR-Guided Intervention
- Totally Hip!
- Vertebroplasty and Kyphoplasty

### Foundational Courses
- A Novice’s Guide to the Cardiac Cath Lab
- Pain Management
## Leadership

### Intermediate Courses
- Advancements in Benchmarking - Improving Methodology for Radiology Departments
- Change: Managing Transition
- Climbing the Career Ladder - The Skills of Leadership
- Climbing the Career Ladder - The Tools of Management
- Competition and Strategy in Healthcare
- Empowering Your Employees: A Strategic Imperative
- Evaluating Workflow
- Issues in Radiology Management - Part I
- Lean Six Sigma in Healthcare: A Strategic Imperative
- Performance, Quality, and Service
- Stress Management: Proven Techniques for Leaders
- Systems Approach to Predicting Health Behaviors
- Take Charge of your Development
- Technology Impact on Communication
- The Customer Economy
- Tracer Methodology: Its Impact on Departmental Assimilation
- Understanding the Patient Psyche

### Foundational Courses
- Accelerating Change Leadership
- Transition from Staff to Management: Tools for a New Leader

## Magnetic Resonance

### Advanced Courses
- 3D Imaging in MR
- 3D Surgical Planning
- ACR Accreditation Update
- Alzheimer’s Disease and How Medical Imaging Can Help
- Breast MRI - Optimizing MRI Performance for Your Patients
- Breast MRI, the Other Screening Exam

*continued on next page*
## Advanced Courses cont.

- Diffusion Imaging of the Brain
- Mammography / MR: Comprehensive Overview
- MR Enterography
- MRI of the Elbow
- Pediatric MR Imaging
- Stroke Imaging
- Suppression Techniques and 3T Imaging of Carotid Vulnerable Plaque
- Understanding Functional MRI
- What is Diffusion Tensor Imaging?
- What to Expect from MR guided Focused Ultrasound Surgery

## Intermediate Courses

- 3T Magnets
- Breast MRI - Imaging, Analysis, and Intervention
- Fast Imaging Techniques
- MR Brain and Spine Imaging: Infectious and Inflammatory Disorders
- MR Cardiac Functional Imaging
- MR Fast Spin Echo
- MR/CT Neurological Evaluation
- New Techniques in MR Imaging
- Orthopedics and Sports Medicine in MR
- Prostate MRI and MR-Guided Intervention
- The Evolution of Diagnostic Imaging of the Breast
- Transitioning to 3T MRI

## Foundational Courses

- A Physics Primer
- Artifacts and Fixes
- Artifacts in MRI
- Basic MR Physics
- Body Imaging in MR
- Breast Imaging in High-Risk Patients
- Breast Imaging Techniques
- Cardiac MR Imaging
- CT/MR: Sectional Anatomy - The Brain
- CT/MR: Sectional Anatomy - The Cranial and Spine
- Developments in Neuro CT and MR
Magnetic Resonance cont.

Foundational Courses cont.

- Effects of the B1 Field: Thermal Considerations in MR Imaging
- Essentials of Brain MR Imaging
- Fast Imaging Techniques and Applications
- Gradient Echo Sequences
- Learning Disabilities and Functional MRI
- MR Resolving Power - Part 1
- MR Resolving Power - Part 2
- MR Safe Practice Recommendations
- MRI Safety Considerations
- Nursing and Patient Care in the MR Environment
- Orthopedic Imaging
- Practical Pediatric Imaging
- Quench Your Thirst for MR Safety
- Registry Review - Data Acquisition and Image Quality
- Registry Review - Magnetic Properties
- Registry Review - Physics
- Understanding MR Coil Technology
- Understanding MR SNR

Mammography

Advanced Courses

- Breast Cancer - The Role of PET Imaging
- Breast Imaging - A Multimodality Approach
- Breast MRI, the Other Screening Exam
- Emerging Technologies
- Histopathology Tissue Diagnosis
- Mammography / MR: Comprehensive Overview
- Positron Emission Mammography (PEM)
- Rehabilitation
- Stereotactic - Start to Finish
## Intermediate Courses

- Advances in Breast Imaging
- Beyond the Mammogram – Multi-Modality Breast Imaging
- Breast Pathology Correlation
- Breast Ultrasound: The Changing Ultrasound Environment
- Comprehensive Women’s Healthcare
- Computer-Aided Detection (CAD)
- Contrast Enhanced Spectral Mammography
- Dedicated Breast CT
- Diagnosed with Breast Cancer
- Family History
- Imaging the Breast with Nipple Concerns
- Interventional Procedures
- Mammographic Calcifications - An Algorithmic Approach
- Masses
- Surviving Breast Cancer
- The Altered Breast
- The Evolution of Diagnostic Imaging of the Breast
- The Mammographer’s Armamentarium
- The Medical Audit
- Understanding the Risks
- World of Breast Imaging

## Foundational Courses

- Art of Positioning
- Back to Basics
- Breast Cancer Diagnosis - Grades, Stages, and Genetic Factors: What It All Means
- Breast Disease
- Breast Tomosynthesis
- Diagnostic Exam
- Digital - Today and Tomorrow
- Full Field Digital Mammography
- Imaging the Male Breast
- Mammography - Positioning Standards for Screening and Diagnostic Views
- Mammography / US: Breast Ultrasound Basics and Beyond
- Positioning Strategies and Skills in Mammography
- Radiation Dosimetry in Digital Breast Tomosynthesis
- Screening for Breast Cancer - Current Methods and Controversies
- Stereotactic Biopsy 101
### Foundational Courses cont.
- Talking with Patients Presenting with Breast Disease: Ways to Gain Their Trust
- Treating Breast Cancer

### Advanced Courses
- Accreditation of Nuclear Medicine and PET Laboratories
- Breast Cancer - The Role of PET Imaging
- Clinical Applications of FDG-PET Techniques and the Importance of Patient Positioning
- Genetics Translated: How Genes Influence Diseases, Drugs, and Diagnostics
- Molecular Imaging Update
- PET/CT in Cardiology
- Quantitative Cardiology Imaging Update

### Intermediate Courses
- PET/CT in Lung Cancer
- Tomographic Reconstruction Review

### Foundational Courses
- Advances in Gamma Camera Technology
- Back to Basics - PET/CT
- Basic Nuclear Medicine and PET Physics - Part 1
- Basic Nuclear Medicine and PET Physics - Part 2
- Basic Nuclear Medicine and PET Physics – Radiation Detectors
- Basics of Molecular Imaging
- Bone Imaging Update
- Image Fusion
- Lymphoscintigraphy
- Nuclear Medicine - Renal Imaging Review
- PET Patient Preparation

### Molecular Imaging

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<th>Cardiovascular</th>
<th>Musculoskeletal</th>
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*continued on next page*
### Foundational Courses cont.

- PET/CT in Breast Cancer
- PET/CT Cardiology Mechanics
- PET/CT in Colorectal Cancer
- PET/CT in Lymphoma
- Principles of CT for Nuclear Medicine and PET Technologists
- Stress Management in the Imaging Environment
- USP 797 - What Is It and How Does It Impact You?
- Veterinary Nuclear Medicine - "The Other Pet Scanning"

### Advanced Courses

- Cardiovascular Imaging - A Multi-Modality Approach
- Carotid Stenting for Stroke Prevention
- Clinical Competency Assessments for Student Technologists
- Imaging Interoperability: DICOM
- Technologist Guide - Creating Medical Publications

### Intermediate Courses

- Cardiac Interventions
- Case-Based Review of Abdominal Imaging
- Combat Support Hospital
- Digital Imaging and Radiosurgery Technology
- Emergency Department Imaging from Head to Toe
- Fluoroscopic Positioning for Spine/Pain Management Procedures
- Forensic Radiology - Role of the Radiographer
- Imaging Sports-Related Injuries
- Introduction to Interventional Radiology
- Nonvascular Interventions
- PACS - Save the Data
- Sports-Related Concussions

### Radiography
### Intermediate Courses cont.
- Stroke Imaging - a Multi-Modality Approach
- Systematic Approach to the Chest Radiograph with CT Correlation
- Technologist Guide - Presenting Original Research
- Totally Hip!
- Vertebroplasty and Kyphoplasty

### Foundational Courses
- A Novice’s Guide to the Cardiac Cath Lab
- Adult Chest Radiography
- Cervical Spine 101
- Clinical Practice
- Conventional Imaging Then and Now
- Conventional Imaging Then and Now Part II
- Digital Image Critique
- Digital Imaging in Radiography
- Digital Radiography Technique Management for Technologists
- ECG Essentials for Imaging Technologists
- Ergonomics in the Work Place - Medical Imaging
- Fundamentals of Diagnostic Ultrasound for Radiographers
- Going Green: The Impact of Converting to a Digital Department
- Imaging Bits and Bytes
- Iodinated Contrast Fundamentals
- Killer Diseases: Anatomy Review for Imaging Professionals
- Orthopedic Imaging - Imaging the Shoulder
- Orthopaedic Trauma Case Reviews and Principles
- PACS - A Primer
- PACS Is Not Just a VIEWING Station
- Pain Management
- Positioning - Shoulder, C-Spine, Pelvis, and Femur
- Radiographic Positioning for GI Studies
- Radiographs and Orthopedics
- Radiography of Domestic Violence
- Sterile Technique and Setup in the OR
- The Foot: X-Rays from the Podiatry Standpoint
- Thoracic and Lumbar Spines 101
- Understanding Alzheimer’s Disease: Keys to Interacting with Affected Patients
### Foundational Courses

- An Overview of MR, PET/CT, and Ultrasound for Nursing and Healthcare Professionals
- Epidemiology of Bloodborne Pathogens
- Infectious Disease Forum for Imaging Professionals
- Understanding Medical Imaging for Nursing and Healthcare Professionals

### Intermediate Courses

- Assessing Ventilation and Blood Flow with Capnography

### Foundational Courses cont.

- Chest Drainage Primer
- Coping with Life Changes and Transitions in Our Professional Lives
- ECG Interpretation: Module 1
- ECG Interpretation: Module 2 Sinus and Atrial Rhythms
- ECG Interpretation: Module 3 Junctional and Ventricular Arrhythmias
- Investigating Blood and Tissue Donation

### Special Programs

**Nursing Library**

**Nursing Library cont.**

**Special Programs**
## Advanced Courses

- 3D/4D Ultrasound of the Fetal Heart
- Cardiac Embryology and Congenital Heart Disease
- Fetal Echocardiography Update
- Hands On - Part 2
- Introduction to Musculoskeletal Ultrasound
- Magnetic Resonance guided Focused Ultrasound Surgery
- Musculoskeletal (MSK) Ultrasound
- Neonatal Neurosonography: Anatomy, Protocol, and Findings
- Saline Infusion Sonohysterography
- Transesophageal Echocardiography (TEE)
- Vascular Ultrasound - A Comparison with Other Modalities
- What to Expect from MR guided Focused Ultrasound

## Intermediate Courses

- Advanced Cardiovascular Imaging
- Advanced Concepts in Ultrasound Physics
- Breast Ultrasound: The Changing Ultrasound Environment
- Doppler Evaluation of the Kidney
- DVT - The Silent Killer
- Hands On
- Latest Concepts in Fetal Echocardiography
- Lower Extremity Arterial Duplex Evaluation
- Nuchal Translucency - Technique and Quality Review
- Paramount Considerations for Parathyroid Ultrasound
- Problem Solving with Doppler in Gynecology
- Scanning for Venous Insufficiency
- Understanding Venous Insufficiency
- Upper Extremity Arterial Duplex Evaluation
- Volume Imaging Techniques

## Foundational Courses

- Aorto-Iliac Duplex Ultrasound
- Breast Pathology Correlation
- Breast Ultrasound/Mammography Correlation - Registry Review
- Current Concepts in Vascular Imaging
- Emergency Ultrasound
- Examining Cerebrovascular Circulation
### Foundational Courses cont.

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<th>Neurology</th>
<th>Radiation Safety/Dose Mgmt.</th>
<th>Sport and Injury Related</th>
<th>Trauma/Emergency</th>
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TIP-ED ONLINE QUICK STEPS

Use this page as a quick access guide to the TiP-Ed Online courses available in the Healthcare Learning System

Go to: hls.gehealthcare.com

New Student Registration
> Click on Redeem Code
> Enter your Registration Code in the form of 97-
> Choose Create New Account
> Complete the SSO Registration Application
> Create a login and password

Launch Content
From My Catalog Tab
> Click (+) next to the category name to see all courses in that category
> Click on the course title to enter the course
> Click View Video Now
> Click Feedback Form
> Click Post Test

note: Post Test will be available only after the Feedback Form is completed

Print Certificate
> From any screen within the HLS, click on the Learning History box (located in the upper right hand corner of the screen)
> The Learning History shows a summary list of the programs you have completed and the dates the programs were completed.
> Select the Certificate icon (in the last column) to open and print your certificate

Search the Catalog
From the Course Catalog Tab
> Within the yellow search box, click the arrows to display a drop down menu
> Type a course title in the search box
> Click on the course title to enter the course

note: The entire course listing is available below the search box

Continuing Education for Imaging Professionals
With TiP-Ed Online, imaging professionals can gain continuing education through our Healthcare Learning System (HLS). An online tutorial is available to help you create an account. Log on to: hls.gehealthcare.com.

About GE Healthcare
GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

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