

July 2010-  
June 2012

UNIVERSITY OF ALABAMA AT BIRMINGHAM

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Department of Radiology

# Resident Didactic Conference Curriculum

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# **BREAST LECTURE CURRICULUM: JULY 2010 – JUNE 2012**

<b>NO.</b>	<b>TOPIC</b>	<b>FACULTY</b>
1	Introduction to Breast Imaging: Intro Lecture (repeated each August)	Umphrey
2	The Basics of Screening Mammography and Digital Interpretation	Umphrey
3	MQSA and the BiRads Lexicon	Umphrey
4	Analysis of Breast Calcifications	Bernreuter
5	Ultrasound of Cystic Vs Solid Breast Masses	Umphrey
6	DCIS Pathology and Presentation	Bernreuter
7	Invasive Breast Cancer Pathology and Presentation	Bernreuter
8	Breast MRI - New Diagnosis and Cancer Follow-up: How it makes a difference	
9	Breast MRI, Malignant Vs Benign Disease	Umphrey
10	Breast MR Screening and Diagnostic “Techniques for Breast MRI”	Umphrey
11	Risk Assessment and Epidemiology in Breast Cancer:	Bernreuter
12	Mammographic Problem Solving – When the Screen is Abnormal: Screening II	Umphrey
13	The Surgically Altered Breast	Umphrey
14	Surgical Decision-making	Guest - Krontiras
15	Imaging of the Male Breast	Hogg
16	US of Axillary Nodes	Bernreuter
17	Malpractice Issues of Breast Imaging	Hogg
18	Benign and Probably Benign – When to Let It Go	Bernreuter
19	ACR In-Training Exam Breast Imaging Section: Review	Bernreuter
20	Management of High Risk Lesion Detected By Mammography	Jander

# CARDIAC LECTURE CURRICULUM: JULY 2010 – JUNE 2012

NO.	TOPIC	FACULTY
	Introductory Lecture: Cardiac Cases (repeated each August)	Nath
1	Aorta I: Congenital Aortic Disease	
2	Aorta II: Dissection, Aneurysm, Arteritis, Stents / Post op Imaging	Singh
3	Cardiac CT I: Coronary Artery Disease	Singh
4	Cardiac CT II: Non Coronary Artery Disease	Fellow
5	Pulmonary Thromboembolism: Acute and Chronic	
6	Pericardial Disease	Watts
1	Aorta I: Congenital Aortic Disease	Nath
7	Cardiac Tumors	Fellow
8	Congenital Heart Disease in Adults	Singh
9	Hardware of the Heart	Sanders
10	Acyanotic Shunts	Nath
11	Cyanotic Shunts	Watts
12	Oligemic Lesions	Fellow
13	Angiography in Congenital Heart Disease	Nath
14	Valvular Heart Disease	Sanders
15	Acquired Heart Disease	
16	Cardiac CT: Basics Practical Physics and Post Processing	Singh
17	Cardiac MRI: Basics	Lloyd
18	MRI I: Congenital Diseases	Fellow
19	MRI II: Acquired Diseases - Non-Valvular and Valvular	Fellow
20	Imaging of Pulmonary Hypertension	Singh

## CHEST LECTURE CURRICULUM: JULY 2010 – JUNE 2012

NO.	TOPIC	FACULTY
IA	Pneumothorax / Trauma & Basic Lines and Tubes	Sanders
IB	Basic Chest Radiography	Singh
IC	Basic Chest CT	Watts
ID	Introductory Thoracic Cases	
IE	Introductory Thoracic Cases	Munden
1	Lung Cancer II: Staging / Assessing with PET and CT	Munden
2	Chest Trauma I: Acute Blunt and Penetrating	Watts
3	Metastatic Disease	Sanders
4	Chest Trauma II: Thoracic Surgery / Post op	Sanders
5	ICU Chest, Including ARDS	
6	Airway Disease, Including Emphysema and Bronchiectasis	Fellow
7	Pleural Diseases: Benign & Malignant	Munden
8	Thoracic Interventions: Biopsy and RFA	Fellow
9	Radiation in the Chest: Acute and Chronic Complications	Munden
10	Congenital Diseases of the Thorax in Adults	Singh
11	Heart and Lung Transplant Evaluation	Singh
12	Functional Lung Imaging	Guest
13	PFT and Basic Lung Physiology Pertinent to Radiology	Guest
14	What's Your Sign?	Sanders
15	Esophageal Cancer Staging: CT / PET	Munden
16	Chest Radiology CR/DR/Screen Film	Sanders
17	Pneumonia I: One Basic Approach - Usual and Unusual	Sanders
18	Interstitial Disease Chest X-ray Basics	
19	Tuberculosis/Other Microbacterial Diseases and Sarcoidosis	Sanders
20	Basic Mediastinal Anatomy	Munden
21	Lateral Chest X-ray	
22	Chronic Airspace Disease, Including Vasculiti	Watts
24	Immunocompromised Host Imaging	Singh

25	Mediastinum: Pathology, Masses and Inflammatory Disease	
26	Lung Cancer I: Chest X-ray and Epidemiology	Nath

# GI LECTURE CURRICULUM: JULY 2010-JUNE 2012

NO.	TOPIC	FACULTY
1	Abdominal Radiographs: GI Conditions	Koehler
2	Abdominal Radiographs: Non-GI Conditions-“Uncommon Findings”	Koehler
3	Pharynx	Canon
4	Esophagus: Motility Disorders and congenital	Koehler
5	Esophagus: Benign Tumors and Tumor like Conditions	Koehler
6	Esophagus: Malignant Neoplasm	Koehler
7	Esophagus: Infection and Inflammatory Conditions	Koehler
8	Esophagus: GERD	Canon
9	Stomach: Neoplasm	Koehler
10	Stomach: Non-neoplastic Conditions	Keohler
11	Duodenum	McNamara
12	Small and Large Bowel: Inflammatory Bowel Disease	Canon
13	Small Bowel: focal Lesions, Benign And malignant	Koehler
14	Small Bowel: Diffuse Disease (Including Malabsorption, Vasculitis)	Koehler
15	Small Bowel and colon: Obstruction and Ileus	McNamara
16	Colon: Non-neoplastic Conditions	Caon
17	Colon: Neoplasm	Bolus
18	CT Colonography	Boluls
19	Appendix	Lockhart
20	Postoperative GI Tract	Canon
21	ERCP	Terry
22	Foreign Bodies and Fluid Collections	Canon
23	MR Angiography	Morgan
24	CT Enteroraphy	Thomas

NO.	TOPIC	FACULTY
25	Trauma CT	McNamara
26	Liver Focal Disease: CT + MR	McNamara
27	Liver Focal Disease: MR-Eovist	Morgan
28	Liver Diffuse Disease: CT +MR	Smith/Morgan
29	Biliary CT, MR, MRCP	Morgan
30	Pancreatic Adenocarcinoma	Morgan
31	Pancreatitis (Acute and Chronic)	Morgan
32	Pancreatic Cancer other than Adeoncarcinoma	Morgan
33	Spleen: CT/US/MR	McNamara
34	Hernias (Internal and External)	Lockhart
35	Image Guided Aspiration and Biopsy	Lockhart
36	Ablation/Therapy	Smith
37	CT Techniques (Including 3D)	Berland
38	Introduction to MRI	Morgan
39	Imaging of Gastric Bypass	Canon
40	Essentials of Radiation and Risk	Berland
41	Peritoneum and Retroperitoneum: Lines, Spaces and Disease Processes	Bolus
42	“Drop In” topic or visiting lecturer	
43	Intro Lecture: Abd Radiographs I (repeated each Aug)	Little
44	Intro Lecture: Abd Radiographs II (repeated each Aug)	Koehler
45	Intro Lecture: Approach to the Acute Abdomen (repeated each Aug)	Morgan
46	Intro Lecture: Dictation Techniques (repeated each Aug)	Tessler
47	Intro Lecture: CT Basics- Including Protocols (repeated each Aug)	Berland



**GU LECTURE CURRICULUM: JULY 2010– JUNE 2012**

<b>NO.</b>	<b>TOPIC</b>	<b>FACULTY</b>
1	Adrenal CT + MR	Haddad
2	Iodinated IV contrast Issues	McNamara
3	Urolithiasis, Obstruction, Calcifications	Berland
4	GU Infection	Smith
5	Benign Renal Masses	Bolus
6	Malignant Renal Masses	Smith
7	Renal Cystic Disease: Part I	Weber
8	Renal Cystic Disease: Part II	Weber
9	Male Genitalia and Urethra	Lockhart
10	Prostate: MR/US	Weber
11	HSG's	Haddad
12	Urinary Tract Trauma	Smith
13	Renal Transplants	Lockhart
14	Female Pelvis (Adnexa I): MRI	Weber
15	Female Pelvis (Adnexa II): MRI	Weber
16	Female Pelvis (Uterus): MRI	Weber
17	Renal and Adrenal MRI	Morgan
18	Nephrogenic Systemic Fibrosis and its Relationship to Gadolineum	Guest
19	“Drop In” topic or visiting lecturer	
20	Intro Lecture: US Physical Principles I	Tessler
21	Intro Lecture: US Physical Principles II	Tessler

**INTERVENTIONAL RADIOLOGY LECTURE CURRICULUM: JULY 2010 – JUNE 2012**

<b>NO.</b>	<b>TOPIC</b>	<b>FACULTY</b>
1	OPEN- for Special Lecture	
2	OPEN- for Special Lecture	
3	Introduction to Vascular and Interventional Radiology	Saddekni
4	Introduction to Venous Access	Oser
5	Introduction to Catheters	Underwood
6	Pulmonary: Imaging and Intervention	Kamel
7	Pharmacology	Prattipati
8	IR and Infertility Treatments	Fellow
9	Anatomy: Visceral and Variations	Saddekni
10	GI Tract Interventions- Gastrostomy Placement	Oser
11	Cementoplasty	Underwood
12	Contrast Media	Kamel
13	GI Bleed	Prattipati
14	AAA's and Endovascular Treatment	Fellow
15	Anatomy: Peripheral and Variations	Saddekni
16	Dialysis Access-Imaging and Intervention	Oser
17	Cryoablation	Underwood
18	Peripheral Vascular Disease: Clinical Imaging and Diagnosis	Kamel
19	Varicoceles	Prattipati
20	Abscess Drainage	Fellow
21	Peripheral Vascular Disease Intervention	Saddekni
22	Biliary: Diagnosis and Intervention	Oser
23	RF Ablation	Underwood
24	Peripheral Artery Thrombectomy	Kamel
25	OPEN- for Special Lecture	
26	Open- for Special Lecture	
27	Introduction to Vascular and Interventional Radiology	Saddekni

28	Introduction to Venous Access	Oser
29	Introduction to Catheters	Underwood
30	Uterine Fibroid Embolization	Oser
31	Portal Hypertension and TIPS	Saddekni
32	Chest Interventions	Underwood
33	Mesenteric Ischemia: Diagnosis and Intervention	Fellow
34	Aortoiliac and Lower Extremity Interventions	Kamel
35	Renovascular HTN/PTRA	Saddekni
36	GU Interventions- Percutaneous Nephrostomy	Oser
37	Oncology Interventions	Underwood
38	Thrombolysis Principles	Prattipati
39	Vasculitis	Saddekni
40	Embolization Techniques	Undersood
41	Trauma: Diagnosis and Intervention	Underwood
42	Pseudoaneurysms: Diagnosis and Intervention	Fellow
43	Dialysis Access Management	Saddekni
44	Vascular Syndromes: Popliteal Artery, Thoracic Outlet and May-Thurner	Oser
45	Percutaneous Vertebroplasty: Indications, Methods, and Results	Underwood
46	Non Invasive Vascular Diagnosis	Prattipati
47	CTA	Saddekni
48	Arteriovenous Malformations: Diagnosis and Management	Fellow

# MUSCULOSKELETAL LECTURE CURRICULUM: JULY 2010 – JUNE 2012

NO.	TOPIC	FACULTY
1	Approach to Arthritis, Part I	Pitt
2	Approach to Arthritis, Part II	Pitt
3	MSK Trauma: Some Basic Principles	Pitt
4	Small Fractures, Big Problems	Pitt
5	Eponymic Fractures of the Extremities	Pitt
6	Rickets and Osteomalacia	Pitt
7	Uremic Osteopathy (Renal Osteodystrophy)	Pitt
8	The Hip: Overview Part I	Pitt
9	The Hip: Look Again	Pitt
10	A Walk Around the Knee: Part I Part II	Pitt
11	The Elbow: Anatomic-Clinical Correlations	Pitt
12	The Ankle: Anatomic-Clinical Correlations	Pitt
13	Bony Excrescences and Cortical Lesions	Pitt
14	Basic Radiographic Approach to Bone Lesions I	Pitt
15	Basic Radiographic Approach to Bone Lesions II	Pitt
16	Basic Radiographic Approach to Bone Lesions III	Pitt
17	Basic Radiographic Approach to Bone Lesions IV	Pitt
18	Some of my Favorite Cases: What we can learn	Pitt
19	MRI of the Shoulder: Instability	Lopez
20	MRI of the Shoulder: Rotator Cuff	Lopez
21	MRI of the Shoulder: Postoperative	Lopez
22	MRI of the Knee: Normal Anatomy and Meniscal Tears	Narducci
23	MRI of the Knee: marrow edema injury patterns	Narducci
24	MRI of Athletic Pubalgia	Narducci
25	MRI of the Ankle: Essentials	Lopez
26	MRI of the Hand and Wrist	Lopez
27	Total Knee Arthroplasty	Lopez

NO.	TOPIC	FACULTY
28	MSK MRI at 3 Tesla: Promise and Pitfalls	Lopez
29	MSK Ultrasound	Lopez
30	Imaging and Assessing Osteoporosis	Lopez
31	Fractures: Wrist and distal radius	Lopez
32	Fractures; Avulsion injury	Lopez
33	The hip: "normal radiographs?"	Lopez
34	Ankle: Tarsal Coalitions	Lopez
35	Uncommon Arthritis	Lopez
36	Bone Marrow	Rehder
37	Bone Tumors	Rehder
38	Knee Pain	Rehder
39	Hand Pain	Rehder
40	Shoulder Pain	Rehder
41	Arthritis	Rehder
42	Back Pain	Rehder
43	TMJ	Rehder
44	Foot Pain	Rehder
45	ABCs of Arthritis	Lander
46	Evaluation of Soft Tissue Masses of the Extremities	Lander
47	Spine Infection and Differential Diagnosis	Lander
48	Osteosarcoma Imaging & Classification	Lander
49	Thoracolumbar Spine Trauma	Lander
50	Vertebroplasty / Kyphoplasty	Lander
51	Percutaneous Biopsy	Lander
52	Wrist 101, Part I	Langston
53	Wrist 101, Part II	Langston

54	Foot 101	Langston
55	The Elbow: Basics and Beyond	Langston
56	Knee MR: Beyond the Meniscus	Larrison
57	Elbow MRI	Larrison
58	Introduction to MSK MRI: A Pattern Approach	Larrison
59	Shoulder Labrum	Larrison
60	Imaging of the Post-operative Knee	Larrison
61	Introductory Lecture: MR Spine	Larrison (repeat each August)
62	Introductory Lecture: Introduction to Spine MR	Rehder(repeat each August) Larrison
63	Introductory Lecture: Fractures- Terminology and Reporting	Pitt (repeat each August)
64	Introductory Lecture: Basic Radiology of Arthritis	Narducci (repeat each August)
65	Introductory Lecture: Surgical Trauma: A Survey of Basic Fractures and Vertebral Trauma	Fellow (repeat each August)

# **NEURORADIOLOGY LECTURE CURRICULUM: JULY 2010 – JUNE 2012**

<b>N0.</b>	<b>TOPIC</b>	<b>FACULTY</b>
1	Post. Skull Base, Upper C. Spine	Roberson
2	CT C-Spine – Developmental, Congenital, Trauma	Roberson
3	Mid and Anterior Skull Base, Facial Bones	Chapman
4	Spine – Trauma / Cord Plain Film CT  CT / MRI	Sullivan  Sullivan
5	L-Spine – Disc Disease, Spondylosis, Tumors, Infections	Roberson
6	White Matter Disease	Rehder
7	CT / MR Perfusion, Spectroscopy	Rehder
8	Sinuses, Thyroid	Rehder
9	Lymph Nodes in the Neck	Rehder
10	Mock Oral Board Answers	Sullivan
11	Introduction to ER / CT Head	Roberson
12	Infections: Extracerebral Head, Neck and Spine	Fellow
13	Pediatrics, Embryology, Congenital, Developmental	Cure
14	Glial Tumors in Brain	Rehder
15	Ins and Outs of Spinal Tumors	Sullivan
16	Temporal Bone CT Anatomy Pathology	Vattoth
17	Trauma in threes: LeForts, Odontoids, and Occipital Condyles	Cure
18	Suprahyoid Neck Anatomy	Sullivan
19	Introduction to Brain CT: Edema and Hemorrhage	Cure
20	ACR Review	Sullivan
21	Paranasal Sinuses	Kim
22	MRA of Head and Neck	Kim
23	Diffusion Sequence Images	Kim
24	Cystic Neck Lesions	Fellow

25	Cerebral Blood Flow, Perfusion; SPECT Scanning	Deutsch/Bag
26	MR Research – MR Imaging in the quantitative assessment of Gliomas	Bag
27	Myelography	Kamel
28	Venous Disorders of the Central Nervous System	Fellow
29	Sella	Cure
30	Imaging of Proptosis	Vattoth
31	Stroke, Hemorrhage / Diagnosis	Roberson
32	Thrombolysis / Acute Stroke	Patterson
33	Technique of Neuroangiography	Horton
34	Vascular Malformations	Fellow
35	Aneurysms & Complications	Horton
36	Image-Guided Biopsies of the Spine, Skull, and Neck	Chapman
37	Tumor Therapies	Horton
38	Interventional Spine Procedures, Non-vascular	Chapman
39	Interventional – Extracranial Vascular Interventions	Horton
40	Interventional – Intracranial Vascular Interventions I	Horton
41	Image-Guided Access to the Spinal Sub-Arachnoid Space	Chapman
42	Interventional – Head CTA	Cure
43	Malformations of Cortical Development	Fellow
44	Infections: Brain	Vattoth
45	Infratympanic Neck	Chapman
46	Degenerative Disease of the Spine and its Nomenclature	Sullivan
47	Imaging of Central Skull Base Lesions: Interesting Cases and Practical Applications	Chapman
48	Basic Head Trauma	Sullivan
49	Imaging of New-Onset Seizures	Fellow
50	Interventional - CTA Neck	Cure
51	Introductory Lecture: Introduction to C-Spine CT	Roberson (repeated each August)



# NUCLEAR RADIOLOGY LECTURE CURRICULUM: JULY 2010 – JUNE 2012

NO.	TOPIC	FACULTY
1	V/Q for PTE	O'Malley
2	PET imaging of Lung Disease	Baldwin
3	Nuclear Medicine Physics & Instrumentation (x 2) August Intro Lectures	Baldwin
4	Common Cases & Indications (x2) August Intro Lectures	Bhambhvani
5	Bone Scan (Emphasis on Malignancy)	Baldwin
6	DEXA	Dubovsky,
7	Renal Scintigraphy	Dubovsky,
8	VCUG, DSMA, Testicular Imaging	Dubovsky,
9	Hepatobiliary Imaging	O'Malley
10	GI Bleeding, Meckels, & Hemangioma Imaging	O'Malley
11	Nuclear Cardiology Overview (Emphasis on SPECT)	Baldwin
12	MUGA & Viability Imaging	Baldwin
13	Thyroid Overview: Physiology and Imaging Agents	Baldwin
14	Thyroid: Non-Malignant Disease & Hyperthyroidism Therapy	Bhambhvani
15	PET Imaging: Physics, Instrumentation, Biodistribution of FDG	O'Malley
16	Antibody Imaging: Proscint, CEA, Zevalin, & Bexxar	Baldwin
17	Neurological Imaging Agents & Indications	O'Malley
18	PET Imaging of Head and Neck Tumors	Bhambhvani
19	Basics of Molecular Imaging	Baldwin
20	Advanced Molecular Imaging	Zinn
21	ABR In-Service/Seldom Seen NM Studies	Baldwin
22	Board Review: NRC Requirements	Kathy Boyd
23	Resident Conference	RESIDENT
24	Radiopharmaceuticals and Radiolabeling: Technetium Agents	Kurt Zinn, DVM, PhD
25	V/Q for PTE and Non-PTE indications	Baldwin
26	PET and Lung Cancer Characterization and Staging	Baldwin
27	Bone Scan (Emphasis on Metabolic Disease & Non-Malignant Indications)	Bhambhvani
28	Infection Imaging	Nuc Resident

NO.	TOPIC	FACULTY
26	PET and Lung Cancer Characterization and Staging	Baldwin
27	Bone Scan (Emphasis on Metabolic Disease & Non-Malignant Indications)	Bhambhvani
28	Infection Imaging	Nuc Resident
29	Transplant Kidney and Renal Failure	Dubovsky
30	Lasix and Captopril Renogram	Dubovsky
31	PET Imaging in Colorectal & Esophageal Carcinomas	Bhambhvani
32	PET in Tumors of the Pancreas, GB, and Liver	O'Malley
33	Cardiac PET	Baldwin
34	Stress Protocols and SPECT Imaging	Bhambhvani
35	Thyroid Carcinoma: Diagnosis & Treatment	Bhambhvani
36	Hyperparathyroidism and Adrenal Imaging	Bhambhvani
37	PET Imaging: Clinical Indications & Tumor Overview	O'Malley
38	Gallium, OctreoScan, MIBG, NP-59	Baldwin
39	Dementias, Seizures, and Tumors: SPECT and PET Appearance	O'Malley
40	Brain Vascular Imaging, Cisternography, Shunt Patency, & Brain Death	Bhambhvani
41	NM Therapeutic Agents—Current and Future	Baldwin
42	NM Therapeutic Agents—Osseous Metastases Palliation	Bender
43	ABR In-Service/Seldom Seen NM Studies	Baldwin
44	Board Review: NRC Requirements	Kathy Boyd, MS
45	Resident Conference	RESIDENT
46	Radiopharmaceuticals and Radiolabeling: Non-Technetium Agents	Kurt Zinn, DVM, PhD
47	Mock Oral Board Review	Baldwin
48	Quantitation of Renal Function with Radionuclides.	Dubovsky

# **ULTRASOUND LECTURE CURRICULUM: JULY 2010-JUNE 2012**

<b>NO.</b>	<b>TOPIC</b>	<b>FACULTY</b>
1	Scrotal Ultrasound	Lockhart
2	Nongravid Uterus: Ultrasound	Tessler
3	Adnexa – Neoplasm: Ultrasound	Weber
4	Adnexa – Nonneoplastic: Ultrasound	Weber
5	Ectopic Pregnancy: Ultrasound	Haddad
6	Pregnancy: 2 <sup>nd</sup> and 3 <sup>rd</sup> Trimesters	Invited
8	Venous Ultrasound	Robbin
9	Carotid Ultrasound	Robbin
10	Dialysis Access: Ultrasound	Robbin
11	Abdomen, Vascular: Ultrasound	Lockhart
12	Liver: Native and Transplant	Tessler
13	Biliary Tract and Pancreas: Ultrasound	Weber
14	Native Renal Ultrasound	Lockhart
16	US of the Thyroid	Tessler
17	US of the Head and Neck Excluding the Thyroid	Tessler
18	US Physical Principles I: Intro Lecture	Tessler
19	US Physical Principles: II Intro Lecture	Tessler
20	“Drop In” topic or visiting lecturer	TBD
21	“Drop In” topic or visiting lecturer	TBD

**NONINTERPRETIVE LECTURE CURRICULUM: JULY 2010 – JUNE 2012**

<b>NO.</b>	<b>TOPIC</b>	<b>FACULTY</b>
1	Journal Club	Berland
2	Jurisprudence Conference	Hogg
3	Imaging Utilization	Cure
4	Physics (See separate list of topics)	Physics Faculty
5	Molecular Imaging	Zinn
6	Special Topics (See separate list of topics)	Invited Faculty
7	Invited Clinical Guest Lectures	Invited Faculty
8	Visiting Professors	Invited Faculty
9	ACR In-Training Examination Review	Faculty
10	Mock Oral Examination Review	Faculty

**PEDIATRIC RADIOLOGY LECTURE CURRICULUM: JULY 2010-JUNE 2012**

<b>NO.</b>	<b>TOPIC</b>	<b>FACULTY</b>
1	Hematuria in Children	Royal
2	UTI Evaluation in Children	Royal
3	Congenital Genitourinary Anomalies	Royal
4	Wilm's Tumor and Neuroblastoma	Royal
5	Pediatric Pelvic Imaging, ER discrepancy review	Royal
6	Pediatric Hydronephrosis	Royal
7	Radiographic Approach to Congenital Heart Disease	Howell
8	Cardiovascular Approach to Newborn Chest	Howell
9	Great Vessel Anomalies/Abnormalities	Howell
10	Cyanotic CHD	Howell
11	Pediatric Liver Masses	Howell
12	Liver/Spleen/Lymphatics	Howell
13	Emergency Radiology of the Pediatric Cervical Spine	Nutall
14	Musculoskeletal Infections and Tumors	Nutall
15	Emergency Radiology of the Pediatric Airway and Chest	Nutall
16	Emergency Radiology of the Pediatric Abdomen and Pelvis	Nutall
17	Child Abuse	Nutall
18	Pediatric Temporal Bone	Torgerson
19	Pediatric Orbit	Torgerson
20	Pediatric Solid Neck	Torgerson
21	Pediatric Cystic Neck	Torgerson
22	Pediatric Nose, Face and Jaw	Torgerson
23	The Pediatric UGI – Esophagus, Stomach	Young
24	Radiology of the Pediatric Small, Large Bowel	Young

NO.	TOPIC	FACULTY
25	Pancreas and Biliary Tree	Young
26	Pediatric Nuclear Medicine Overview	Young
27	Radiation Safety in Pediatrics	Young
28	Pediatric Chest Congenital Anomalies	Guion
29	Pediatric Chest Infection	Guion
30	Pediatric Chest Neoplasm	Guion
31	Pediatric Chest Trauma	Guion
32	Pediatric Chest Neonatal Respiratory Abnormality	Guion
33	Imaging of Congenital Brain Disorders	Vaid
34	Imaging of Congenital Spine Disorders	Vaid
35	Neurofibromatosis and Other Phakomatoses	Vaid
36	Miscellaneous Disorders of the Brain and Spine	Vaid
37	Neoplastic Disorders of the Brain and Spine	Vaid
38	Systemic Disorders of CNS	Vaid
39	Neonatal Chest	Martin
40	Neonatal GU	Martin
41	Neonatal Cranial Imaging	Martin
42	Neonatal GI	Martin
43	Neonatal MSK	Martin