

Week 1 (Clinical & Operations) Course Breakdown

Monday, September 11 – Operations & Facilities and MDs (disease site specific)

- 9:00am – 9:30am Registration + Breakfast
- 9:30am – 10:20am Welcome Video + Tour
- 10:20am – 11:00am Introduction to Proton Therapy – Clinical
- 11:00am – 11:15am Break**
- 11:15am – 12:30pm Introduction to Proton Therapy – Physics
- 12:30pm – 1:30pm Lunch with Dr. Cox**
- 1:30pm – 3:30pm (Operations/Facilities) Overview of Proton Therapy Center
(Patient flow, staffing, special consideration)
- 3:30pm – 3:45pm Break**
- 3:45pm – 4:45pm Service Maintenance
- 4:45pm – 6:00pm Social Event Meet & Greet with Presenters

Tuesday, September 12 – MDs (disease site specific); Nursing and Clinical Nutrition

- 9:00am – 10:00am MD) Head & Neck (H&N) Evidence/Literature
- 10:00am – 11:15am (MD) H&N Way of Treatment
- 11:00am – 11:15am Break**
- 11:15am – 12:00pm (MD) Head & Neck (H&N) Case Presentation
- 12:00pm – 1:00pm Lunch**
- 1:00pm – 1:30pm Nursing Presentation
- 1:30pm – 2:00pm Child Life Advocacy

| | |
|------------------------|---|
| 2:00pm – 2:30pm | Clinical Nutrition |
| 2:30pm – 2:45pm | Break |
| 2:45pm – 3:15pm | Radiation Therapy |
| 3:15pm – 4:30pm | (MD) Lung MDACC way of treatment + presentation |

Wed., September 13 – MDs (disease site specific); MLPs and Pediatric Anesthesia

| | |
|--------------------------|--|
| 8:30am – 9:15am | (MD) Lung Evidence/Literature |
| 9:15am – 10:00am | (MD) Lung Quality Safety |
| 10:00am – 10:15am | Break |
| 10:15am – 11:00am | MLPs (Side effects, exams, problems, writing Rx's) |
| 11:00am – 12:00pm | Pediatric Anesthesia |
| 12:00pm – 1:00pm | Lunch |
| 1:00pm – 2:00pm | (MD) (CNS) Evidence/Literature |
| 2:00pm – 2:30pm | (MD) Central Nervous System - Quality & Safety |
| 2:30pm – 2:45pm | Break |
| 2:45pm – 3:15pm | (MD) (CNS) MDACC way of treatment |
| 3:15pm – 3:45pm | (MD) (CNS) Case Presentation |

Thursday, September 14 – MDs (disease site specific)

| | |
|-------------------------|--|
| 8:00am – 9:00am | (MD) Genitourinary - Prostate (GU) Evidence/Literature |
| 9:00am – 9:45am | (MD) Genitourinary - Prostate (GU) Case Presentation |
| 9:45am – 10:00am | Break |

| | |
|-------------------------|---------------------------------------|
| 10:00am – 11:00am | Observation of Treatment (Gantry) |
| 11:00am – 12:00pm | (MD) Pediatric Evidence/Literature |
| 12:00pm – 1:00pm | Lunch |
| 1:00pm – 1:30pm | (MD) Pediatric – Quality & Safety |
| 1:30pm – 2:30pm | (MD) Pediatric MDACC Way of Treatment |
| 2:30pm – 2:45pm | Break |
| 2:45pm – 3:15pm | (MD) Pediatric Case Presentation |

Friday, September 15 – Research Nurses, International Center, and Financial Clearance

| | |
|--------------------------|--|
| 9:00am – 9:45am | Fundamentals of Clinical Research |
| 9:45am – 10:15am | (Research) Overview of exciting clinical trials and prospective/QOL studies at the PTC |
| 10:15am – 10:35am | (Research) Overview of clinical research at the RCCs and collaborative studies where MDACC is the lead site/collaborating site |
| 10:35am – 10:45am | Break |
| 10:45am – 11:00am | (Research) Overview of interesting studies for our pediatric patients |
| 11:00am – 11:10am | (Research) Overview of future projects |
| 11:10am – 12:10pm | Lunch |
| 12:10pm – 12:40pm | International Patient Center |
| 12:40pm – 1:10pm | Language Assistance |
| 1:10pm – 1:20pm | Insurance Welcome + Video |
| 1:20pm – 1:50pm | New Patient Referral |
| 1:50pm – 2:20pm | Insurance Authorization Process |

| | |
|------------------------|----------------------------------|
| 2:20pm – 2:35pm | Break |
| 2:35pm – 2:50pm | Denials & Appeals |
| 2:50pm – 3:00pm | Final Insurance Approval Process |

Week 2 (Treatment Planning & Physics) Course Breakdown

Monday, September 18 – Dosimetry/Physics

| | |
|--------------------------|---|
| 9:00am – 9:30am | Registration/Breakfast + Welcome Address/Video |
| 9:30am – 10:45am | Overview of Proton Therapy Physics |
| 10:45am – 11:00am | Break |
| 11:00am – 12:45pm | Overview of PT Treatment planning |
| 12:45pm – 1:30pm | Lunch |
| 1:30pm – 1:50pm | Tour of PTC |
| 1:50pm – 3:50pm | Dosimetry – Treatment Planning & Demo for Prostate (PSPT and SFO) |
| 3:50pm – 4:00pm | Break |
| 4:00pm – 4:45pm | Physics – Intro. Motion Management (Adaptive for lung) |

Tuesday, September 19 – Dosimetry/Physics

| | |
|-------------------------|--|
| 8:00am – 9:45am | Dosimetry – Treatment Planning & Demo for Lung (PSPT and SFO) |
| 9:45am – 10:00am | Break |
| 10:00am – 12:00pm | Dosimetry – Treatment Planning & Demo for Esophagus (PSPT and SFO) |

| | |
|-------------------------|---|
| 12:00pm – 1:00pm | Lunch |
| 1:00pm – 2:30pm | Dosimetry – Treatment Planning & Demo for Head & Neck (SFO & MFO) |
| 2:30pm – 2:40pm | Break |
| 2:40pm – 4:00pm | Dosimetry – Treatment Planning & Demo for Head & Neck (SFO & MFO) |
| 4:00pm – 5:00pm | Physics – Introduction to robust optimization |

Wednesday, September 20 – Dosimetry

| | |
|--------------------------|--|
| 8:00am – 10:15am | Dosimetry – Treat. Plan. & Demo for CSI |
| 10:15am – 10:30am | Break |
| 10:30am – 12:00pm | Dosimetry – Treat. Plan. & Demo for CNS |
| 12:00pm – 1:00pm | Lunch |
| 1:00pm – 2:45pm | Dosimetry – Treat. Plan & Demo GI (Liver) |
| 2:45pm – 3:00pm | Break |
| 3:00pm – 4:15pm | Dosimetry – Treat. Plan & Demo APBI (Partial Breast) |

Thursday, September 21 – Physics

| | |
|--------------------------|--|
| 9:00am – 11:00am | Physics – Commissioning Passive Scattering (including CT calibration for proton therapy) |
| 11:00am – 11:15am | Break |

11:15am – 12:20pm Physics – Commissioning Spot Scanning

12:20pm – 1:20pm Lunch

1:20pm – 1:50pm Treat. Plan. Sys. Commissioning – Passive

1:50pm – 3:00pm Treat. Plan. Syst. commissioning – Scanning

Friday, September 22 – Physics

8:00am – 8:50am Proton Dose Calculation Algorithms

8:50am – 9:45am Advanced Optimization for Scanning Beam (robust optimization and robust analysis)

9:45am – 10:00am Break

10:00am – 10:45am Advanced motion management

10:45am – 11:45am Machine QA for passive scattering

11:45am – 12:45pm Lunch

12:45pm – 1:45pm Machine QA for scanning

1:45pm – 2:30pm Patient specific QA for passive scattering

2:30pm – 2:45pm Break

2:45pm – 3:30pm Patient specific QA for scanning

Saturday, September 23 – Physics

8:00am – 4:00pm Observation