



## NTHRYS WORKSHOPS

# Advanced Techniques In Medical Physics

### 8:45 AM - 10:15 AM: Session 1: Advanced Imaging Techniques

Introduction to advanced imaging techniques in medical physics.  
Hands-on session on using PET, CT, and other advanced imaging methods.  
Practical demonstration of advanced imaging applications.

### 10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Radiation Protection and Safety

Exploring radiation protection and safety in medical physics.  
Workshop on using protective measures to ensure patient and staff safety.  
Case studies on the applications of radiation protection in healthcare.

### 12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Dosimetry and Treatment Planning

Hands-on session on dosimetry and treatment planning.

Exploring techniques for measuring and planning radiation doses.  
Practical applications of dosimetry in cancer treatment.

### **2:30 PM - 2:45 PM: Short Break**

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Biomedical Optics**

Workshop on the study of biomedical optics in medical physics.  
Practical techniques for using optical methods in diagnostics and therapy.  
Case studies on the role of biomedical optics in healthcare.

### **4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break**

Last networking opportunity with snacks.

### **4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption**

Group discussions on implementing new techniques learned today.  
Dialogue on overcoming challenges in adopting new technologies in similar sectors.  
Feedback session and closing remarks.

**Certificate Issue**

### **5:30 PM: Workshop Concludes**