



**ADN CoE<sup>®</sup>**

**INTERPRETING AI OUTPUTS FOR  
CLINICAL DECISION MAKING**

**ONLINE  
17-18 OCTOBER 2024**



# 17 OCTOBER 2024

## Day 1: Foundations and Basics

### Session 1: Introduction to AI in Healthcare (1 hour)

**10:00-10:15** Welcome and Objectives  
Introduction by the workshop facilitator  
Overview of workshop objectives and structure

**10:15-11:00** Basics of AI and Machine Learning  
Understanding AI, machine learning, and deep learning  
Key concepts: algorithms, models, training, validation

### Session 2: AI Applications in Clinical Settings (1 hour)

**11:00-12:00** Current AI Applications in Healthcare  
Examples of AI in diagnostics, treatment planning, and patient management  
Discussion on successful case studies

**12:00-12:15** Break

### Session 3: Interpreting AI Outputs (1.5 hours)

**12:15-13:00** Types of AI Outputs  
Risk scores, predictive models, classification outputs  
Explanation of statistical metrics (sensitivity, specificity, AUC-ROC)

**13:00-13:45** Hands-On Exercise  
Interactive session using an AI tool (e.g., IBM Watson Health)  
Participants interpret outputs from provided datasets

### Session 4: Q&A and Discussion (45 minutes)

**13:45-14:30** Open Forum  
Participants ask questions about the day's content  
Facilitator-led discussion on integrating AI into clinical practice



# 18 OCTOBER 2024

## Day 2: Advanced Concepts and Practical Applications

### Session 5: Advanced Interpretation Techniques (1 hour)

**10:00-11:00**      Deep Dive into AI Models  
Understanding model development and validation  
Interpreting complex outputs and uncertainty in predictions

### Session 6: Case Studies (1 hour)

**11:00-12:00**      Real-World Case Studies  
Detailed review of AI use in specific clinical scenarios  
Group discussion on interpreting and applying AI outputs

**12:00-12:15**      Break

### Session 7: Practical Applications and Ethical Considerations (1.5 hours)

**12:15-13:00**      Using AI Tools in Clinical Practice  
Demonstration of AI software for clinical decision-making  
Interactive exercises with AI-driven case simulations

**13:00-13:45**      Ethical and Legal Considerations

### Session 8: Q&A, Feedback, and Certification (45 minutes)

**13:45-14:30**      Final Q&A Session  
Collecting participant feedback via an online survey  
Facilitator-led discussion on integrating AI into clinical practice  
Providing information on how to receive certificates of completion