



Contribution ID: 83

Type: **Poster**

## **The challenges of teaching medical radiation technology without a high school physics background in Australian universities**

*Thursday 29 August 2024 12:00 (10 minutes)*

This paper explores the challenges faced by Australian universities in teaching Medical Radiation Technology (MRT) to students without a high school physics background. The primary challenges identified include a lack of basic physics knowledge, difficulty in understanding complex MRT concepts, and limited problem-solving skills. These challenges often hinder students' ability to grasp advanced topics and engage in critical thinking, which are crucial for advanced medical imaging, nuclear medicine, and radiotherapy. To overcome these challenges, universities require to offer remedial physics courses. However, this is a complex issue requiring further research and discussion among educators and stakeholders in the field.

### **How would you like to present your contribution?**

Live in Kraków (time slot to be allotted based on the programme)

### **Target education level**

University

### **Category**

Formal Education

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**Session Classification:** Poster session

**Track Classification:** Physics Curricula