EXPLORING COLLABORATION WITH INDUSTRY AND THE PHYSICIST IN THE CLINIC

Introduction

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Frank Rath
General Outline and Functionality of the Software Tools: Goals & Analytics

Mike Herman
Connecting the Gap Between Radiotherapy Care Delivery & Incidence Learning

Bruce Thomadsen
Incidence Reporting and Learning: The Benefits and Possibilities for Achieving the Common Goal

Discussion
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EXPLORING COLLABORATION: PHYSICIST IN THE CLINIC

Vendor products in clinical use: Clinical Issues:

- Workflow
  - Improving clinical workflow that makes better use of the vendor product
  - Improving the vendor product, that helps carry out a certain workflow better

- Fault recovery
  - Software issues
  - Hardware issues
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**PHYSICIST IN THE CLINIC: INCIDENCE REPORTING**

- Recording and reporting occurrences: PSO
  - PSO : Patient Safety Organization
- Effective incidence learning and risk assessment:
  - Need for Analytics:
  - Need for a tool that can provide analytics as incidences occur and recorded.
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PHYSICIST IN THE CLINIC: INCIDENCE LEARNING

- ANALYTICS
- What do we need to do to make analytics available
- What resources do we need to make this analytics coexist across all treatment planning and delivery platforms
- Can vendors create a tool that can provide analytics as incidences occur and captured?
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INDUSTRY AND THE PHYSICIST IN THE CLINIC

- Industry: Can provide Process Engineering Tools: design, implement, control and optimize clinical processes
- Help develop a software Tool to constantly look to improve & optimize this process
- Develop Tools that provide Analytics: the discovery, interpretation, and communication of meaningful patterns in data
- Physicist: Report incidences to provide input to this software tool
- Process improvement feedback to the end user: The physicist in The Clinic.