EXPLORING COLLABORATION WITH INDUSTRY AND THE PHYSICIST IN THE CLINIC

SAM Professional Symposium, AAPM 2018

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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:

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

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- Fault recovery
 Software Issues
 Hardware issues
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- Software 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 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
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