A Survey of the Physics Initial Plan Review Process

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Survey Goals
- Which treatment plan elements are being checked
- Variation in plan checking practice

Survey Method
- Conducted in February and March 2015
- All Ontario, Canada Cancer Centers
- One response per center (15)
- Physicians completed survey in a group setting
- For each checking item, each group indicated: “All”, “Most”, “Some”, or “None” performed check

Centre Characteristics

Ontario Canada
- 15 Cancer Centers
- 380,000 sq mi
- 13.6 million people
- 100% government funded

Center Size
- 650 to 5600 new cases per year
- Median of 8 physicists per center
- Between 3 and 26 physicists per center

Software and Linacs
- 6 centers use a single vendor
- 3 centers with linacs from multiple vendors
- 6 with TPS and R&V from different vendors.

Linac Vendors
- Elekta, 42% MatriXX, 11% Varian, 47%
- Xio, 19% Pinnacle, 44% Eclipse, 38%
- Mosaix, 67% ARIA, 33%

Workload Impact on Practice
- Workload may affect checking practice

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References