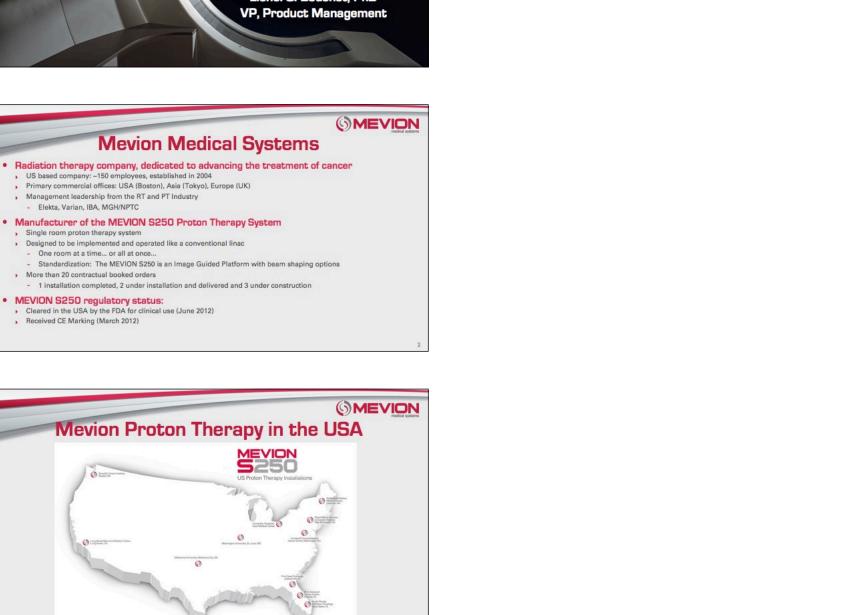


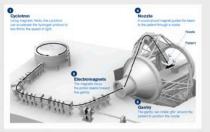
OMEVION Mevion Proton Therapy in the USA



MEVION

Recognizing the Challenges of Proton Therapy

- Big
- Impossible to integrate within an existing center
- Costly
- ▶ \$150 \$225M project cost
- -
- Large gantry, single accelerator, beam line, magnets, power supply, etc...
- · High operating costs
- Electrical and staffing
- Non Standard Workflow and low throughput
- Beam queuing / rationing with complex patient setu
- Facility downtime
- Daily maintenance and with single point of failure



Conventional Proton Therapy is a High Risk Financial Proposition for <u>Any</u> Institution

MEVION

Just as electron linear accelerators began large and were optimized,

proton accelerators can be made smaller.



as 3,000 Amps



Mevion - Superconducting Magnet TriNiobium Core Nb3Sn TriNiobium Tin Can carry as much

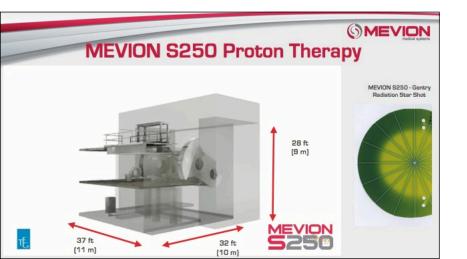


The Word's First Superconducting Synchrocyclotron



- TriNiobium Core proton source
- High field strength accelerator
- · Beam characteristics optimized for RT
- 250 MeV protons
- · Conventional dose rate: 4+ Gy/min
- · Low power requirements
- · High stability and reliability
- · Ion source not replaced in more than 2 years
- · All accelerators commissioned in factory









Verity Patient Positioning System™





- Image Based Clinical Workflow
- Multi-dimensional image guidance
- Integrated with Oncology Information System
- Efficient and precise positioning
- Robotic couch with 6D adjustment
- Auto-match with advanced validation

MEVION

Verity Patient Positioning System[™]



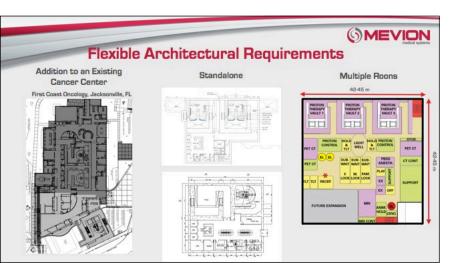
- Image Based Clinical Workflow
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- Treatment planning integration
- Eclipse, XiO, Pinnacle, Raysearch









MEVION S250 Proton Therapy

- Lower capital cost
- · Lower operational cost with staffing and utility similar to conventional RT
- Increase patient throughput:

 Workflow similar to RT with full ARIA/MOSAIQ integration
 - Only quarterly maintenance required generally performed of hours
 - > Dedicated proton source for each room just like a linac: no beam waiting & no beam management
- Increase Return On Investment (ROI) with greatly reduced risks
- Support advanced treatment capabilities
 - High precision gantry system: double sided and concentric
 - » Radiographic and CT based patient positioning (also integration with 3rd party systems)
 - New generation beam shaping systems: Volumetric delivery and pencil beam scanning
- Deliver Scalability Ability to start with 1 single room and increase capacity as needed
- Deliver Reliability Each treatment room is independent

