



Varian Particle Therapy

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ProBeam™
PSI – Paul Scherrer Institute

> 1100



ProBeam™
Rinnecker Proton Therapy Center

> 1,500



ProBeam™
Scripps Proton Therapy Center

2

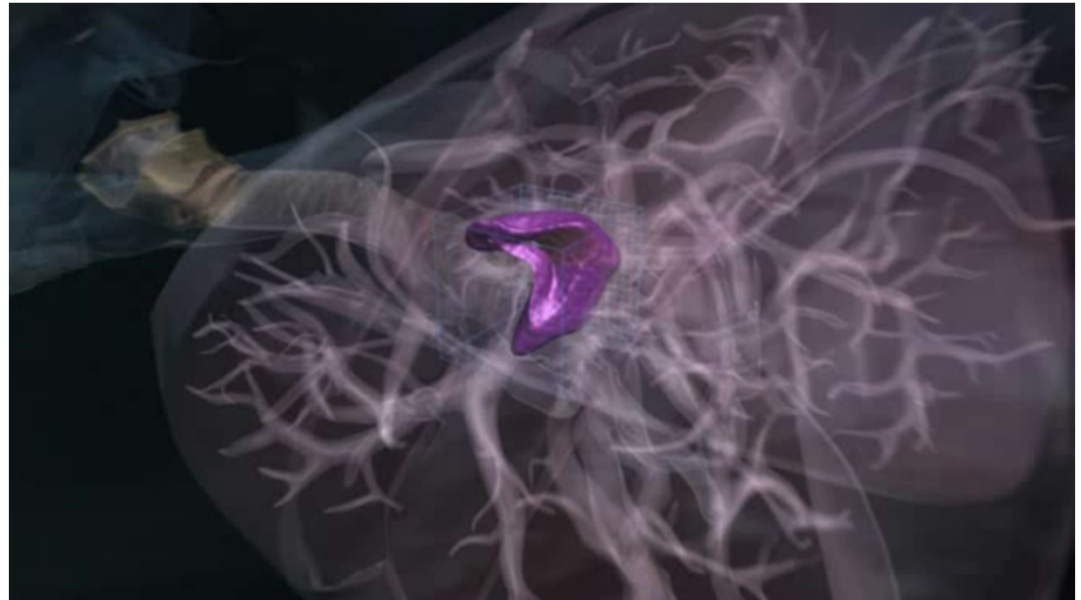


Dynamic Peak™ Scanning

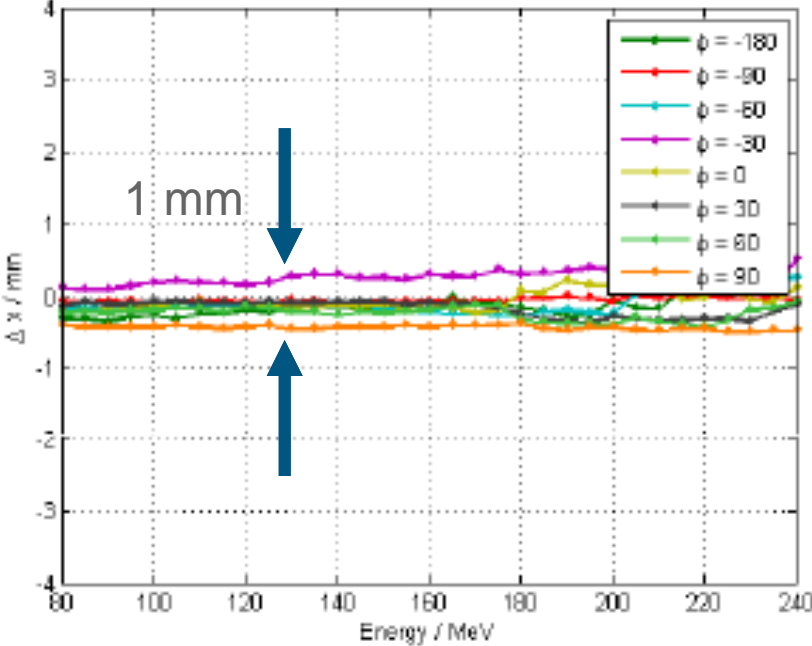
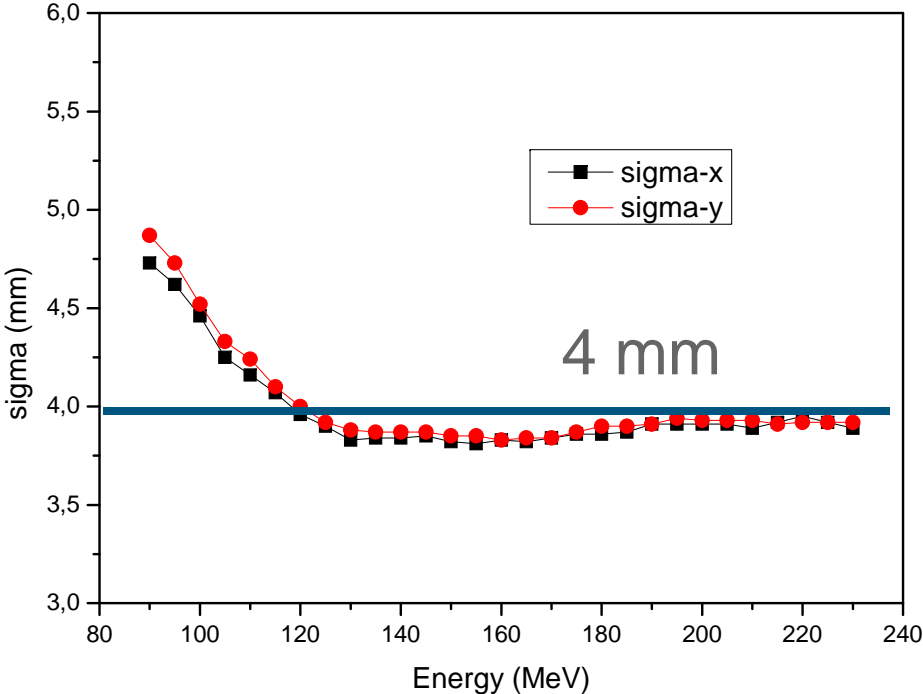
2nd Generation IMPT
Pencil Beam 4 mm σ
Dose Rate 2 Gy/L/Min

ProBeam™
Key Features

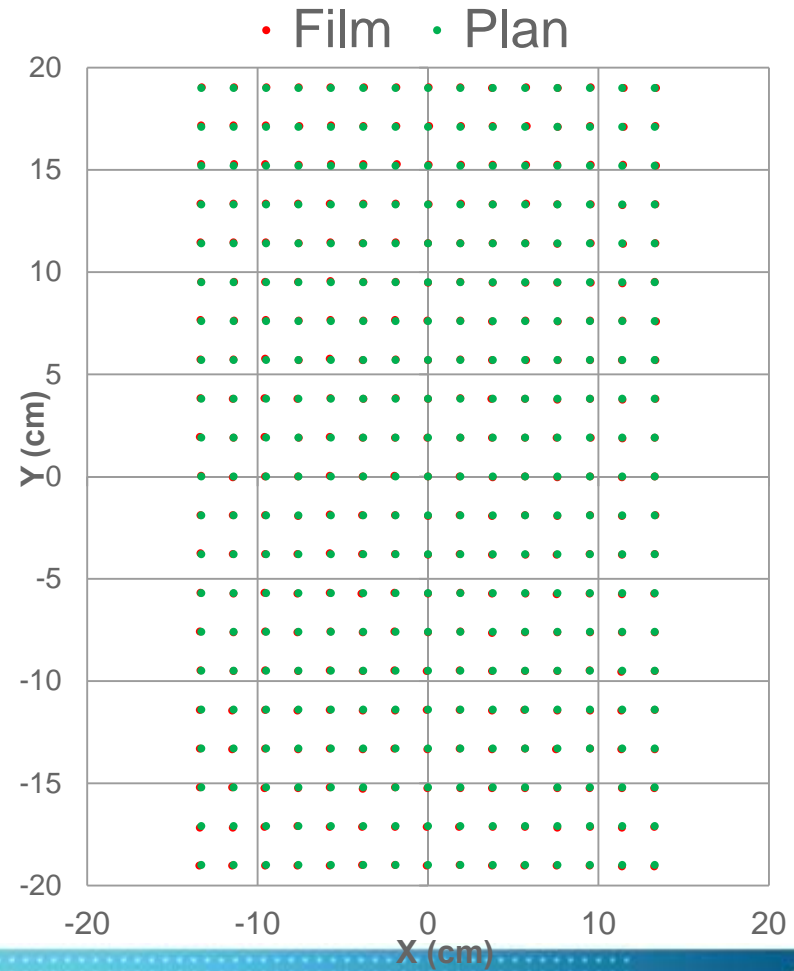
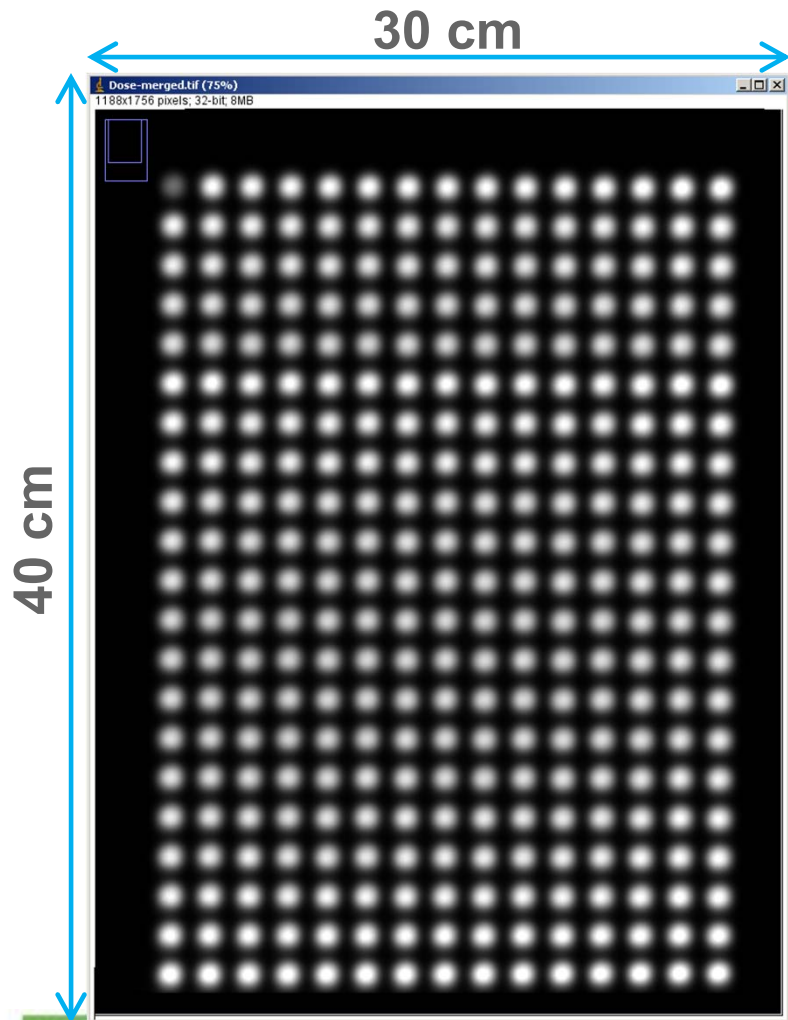
Dynamic Peak™ Scanning



Dynamic Peak™ Scanning Precision



Large Field Accuracy Scripps Proton Therapy Center



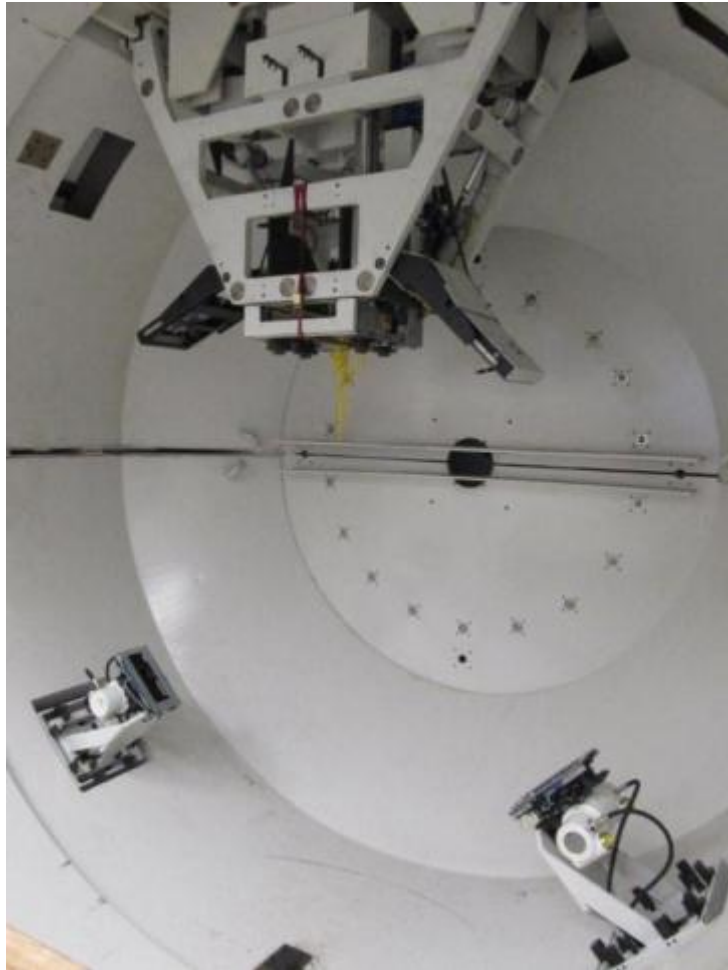


Dynamic Peak™ Imaging

- On-board 2D & CBCT
- Dedicated User Interface
- I-Lab Development
- TrueBeam Roadmap

Dynamic Peak™ Imaging

Key Features



Dynamic Peak™ Imaging Biplanar Imaging Panels

CBCT Capable

Robotic

Image Analysis

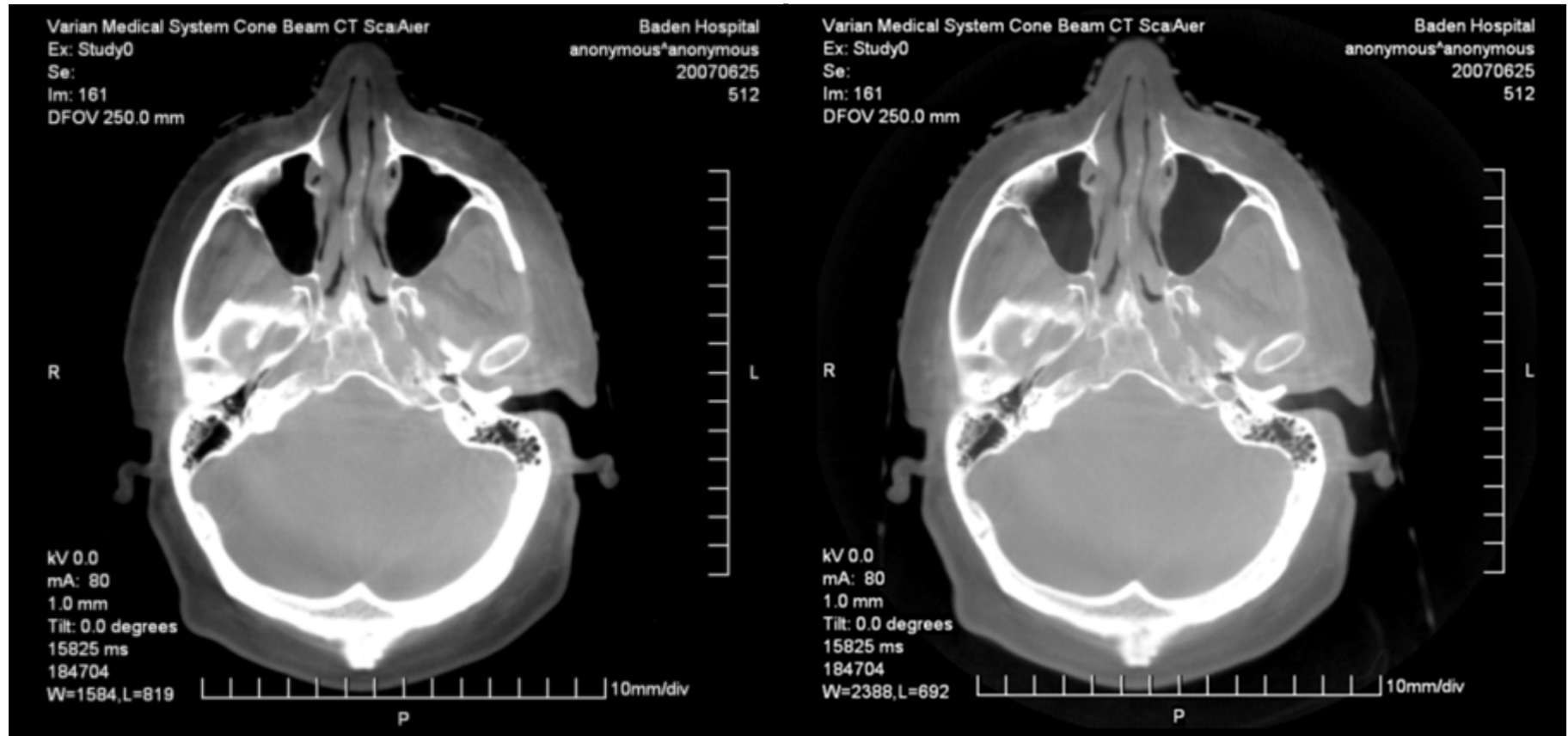
Integrated Hardware

Integrated Software

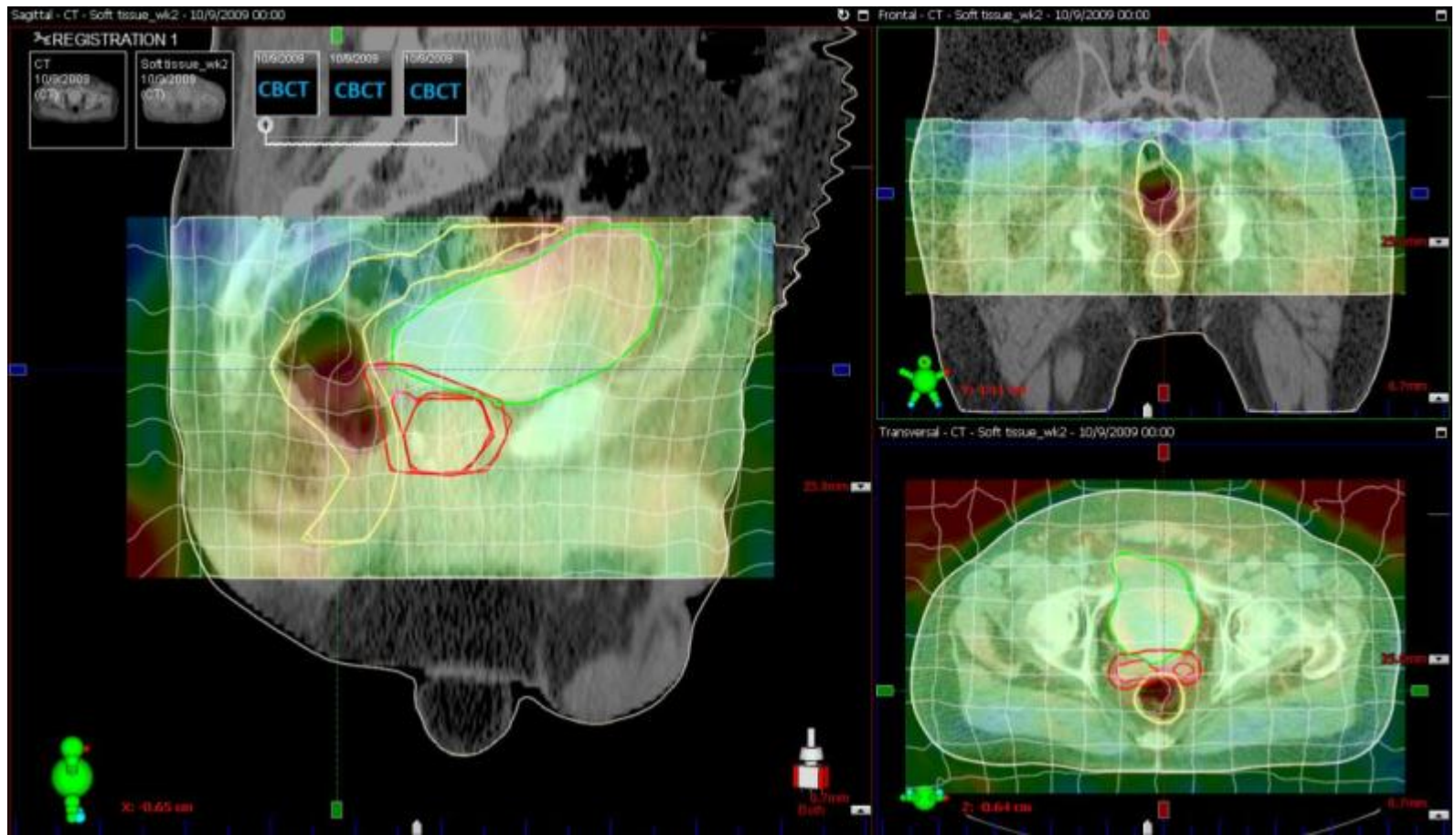


Dynamic Peak™ Imaging

Key Features



Dynamic Peak™ Imaging Deformable Registration



ProBeam™
Key Features

Dynamic
Peak™
Workflow

TrueBeam™ Console
Therapy Hand Pendant
Guided Workflow
Field Groups



Dynamic Peak™ Workflow

Common User Interface – Guided Workflow



Console

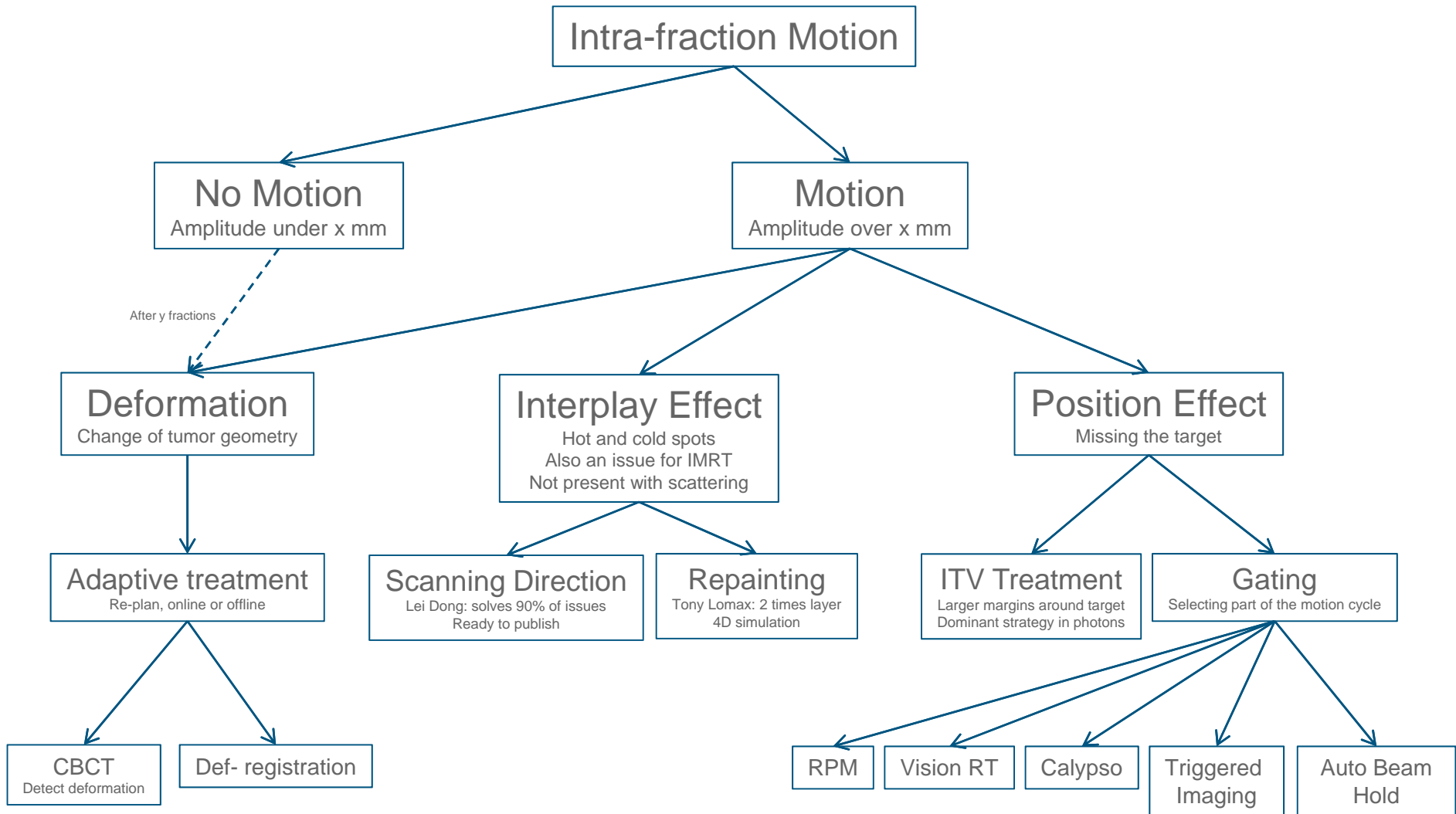


Pendant

Dynamic Peak™ Motion Management

- Lessons learned conventional RT
- Multiple Strategies
- Monitored Breath Hold, Motion Scanning, Gating, Tracking, Triggered Imaging

Dynamic Peak™ Motion Management Overview



Varian Medical Systems
Vision

