Mevion's unique open architecture approach to Image Guided Proton Therapy (IGPT) enables our customers access to the greatest customization, flexibility, and the latest in imaging and positioning technology. We have launched a suite of new IGPT capabilities through development partnerships with technology leaders throughout the radiation oncology field.

**IGPT – CUSTOMIZED, OPTIMIZED FOR YOU**

Other companies believe in a “one-size-fits all” IGPT solution. We believe your RT department is unique. We work with every one of our customers to put together the optimal configuration to meet your needs.

**TECHNOLOGY OBSOLESCENCE**

- Proton therapy systems are designed for a >20 year life-span, during which clinical needs and IGPT technologies can advance dramatically.

- Other proton manufacturers provide a locked-in solution built into their system. This can freeze your imaging and positioning capabilities while the industry progresses into the future.

- Mevion is designed with a unique open architecture to keep your imaging and positioning solutions current with the future advancements and evolution in IGPT. With the potential for FLASH therapy, hypofractionation, or adaptive therapy disrupting the industry – a system that keeps you agile and upgradable is critical to your proton therapy decision.

**3D IMAGING OPTIONS**

**Integrated CBCT**
- Newly launched last year and in use at Maastro Proton Therapy, the ceiling rail mounted ImagingRing CBCT provides integrated daily 3D volumetric imaging.
- Full 360 rotational imaging is available for highest image quality, or partial scans are possible for faster imaging.
- Ultra-large 76cm field of view is the largest FOV of any integrated proton system to enable fully assess positioning nearby anatomy.

**Siemens SOMATOM® Definition Edge**
- Two of Mevion’s newest facilities will be integrating full diagnostic CT imaging integrated to the proton workflow.
- The Siemens SOMATOM Definition Edge system provides the diagnostic image quality to support adaptive re-planning.
- Barnes-Jewish Hospital will be the first center with this imaging capability and will be treating clinically in 2020.

**Stryker Spine Airo® TruCT**
- Airo mobile CT has been integrated and used clinically at Orlando Health and MedStar Georgetown University Hospital proton systems for 3D imaging guidance.
- With high-resolution true CT quality images, the system has been used by centers for patient positioning and dose verification.
- The extra-large 107cm diameter bore size and compact footprint provides better accessibility for acquiring images and easy mobility in the treatment room.
SURFACE TRACKING & MOTION MANAGEMENT

C-RAD Catalyst PT™
- The Catalyst PT surface tracking is new to Mevion systems and is in use at Maastro Proton Therapy in the Netherlands.
- Integration with the Mevion system enables accurate positioning and continuous monitoring of patients during treatment.
- Integrated patient treatment and CBCT workflow for high confidence patient positioning.

DYN'R SDX®
- New to Mevion this year, the DYN'R SDX System is used for respiratory monitoring and measurement for the treatment of thoracic-abdominal cancers.
- During treatment, the patient voluntarily performs breath holds to minimize the tumor motion. Beam delivery will only happen when the target inspiration zone is reached.
- Fully compatible with Mevion’s in-room CT systems, the SDX system also helps monitor tumor motion during imaging without using any markers, allowing more precise CT images for treatment planning.

PRECISE PATIENT POSITIONING & IMMOBILIZATION

Mevion has been working to expand the options for patient immobilization for our customers. Since Mevion systems are embedded into existing radiation departments, it is our goal to work with hospitals to match their existing immobilization approaches. This year 3 new couches are available on the Mevion system.

Qfix® kVue™ One Proton
- New, thinner couch top from Qfix enables smaller airgap from posterior beams.
- Uniform homogeneous design simplifies treatment planning compared to rail version.
- Interchangeable inserts for full range of proton therapy treatments

CIVCO Universal Couchtop™
- No rails or junctions in the treatment area to help facilitate better dose delivery and target coverage
- Large treatment area of 64.9” (164.8 cm)
- Utilizes Prodigy™ 2 indexing at 7cm increments

Orfit Aerial™
- Orfit has developed a brand new proton couch top with a unique approach of fully integrated inserts.
- A gradually tapered support enables a minimal airgap at the distal end of the couch.
- The narrow head and neck extension allows the nozzle to come closer to the patient and minimizes the air gap.
Mevion Medical Systems was founded in 2004 with a simple goal: to provide superior proton therapy to as many cancer patients as possible.