Next Generation Treatment Room

WORKFLOW OPTIMIZED

1. Large **IN-ROOM MONITORS** display treatment information
2. **6 DOF ROBOT POSITIONER** with optical tracking and correction
3. Bed mounted **DUAL ENERGY CBCT**. 3D image at any bed position and any gantry angle.
4. Novel **CANTILEVER NOZZLE** creates totally open isocenter
5. Large, flat **MOVING FLOOR** increases therapist access and open room.
6. **FUTURE PROOF ACCESS** for additional imaging technology
7. Moving gantry face and **NO MOVING TUNNEL**.
8. Optional **CUSTOMER DESIGNED WALLS**
9. Optional **FIXED SURFACE CAN BE USED FOR ACCESSORIES** such as cameras, lasers, projectors, etc.
10. Plan view of gantry showing open isocenter and cantilever nozzle – **NO TUNNEL**.
11. Patented **SUPERCONDUCTING ACHROMATIC BEAMLINE** enabling workflow-centric room design.
1. High current, **CONTINUOUS BEAM CYCLOTRON** supports fast hypofractionation and raster beam scan

2. **PERMANENT MAGNET**, constant energy beamline uses no power or cooling

3. **INDEPENDENT ENERGY SELECTION SYSTEM** with millisecond room switching

4. **NO MOVING TUNNEL**, with optional fixed surface for accessories (cameras, lasers, projectors, etc.)

5. **PENCIL BEAM SCANNING** with optional apertures and ultra-fast scanning and layer changes

6. **DUAL ENERGY CBCT** independent from gantry allows 3D image at any patient angle and any gantry angle

7. **LARGE**, rectangular treatment room

8. **360° SUPERCONDUCTING GANTRY**

9. **CANTILEVER NOZZLE** creates **OPEN ISOCENTER** with 360° access for advanced imaging, better therapist access and patient comfort

10. **FUTURE PROOF ACCESS** for additional imaging technology including optional PET or CT at isocenter