Halcyon

Speed and Efficiency
Without Compromising Quality

Halcyon™ provides radiotherapy on a platform that’s intuitive for clinicians and comfortable for patients. Halcyon offers IMRT and RapidArc® treatments for prostate, breast, head & neck, and many other disease sites.

Clinical cases
The streamlined workflow of Halcyon is designed to speed up the treatment process without compromising quality and safety. Featured here are sample cases that have been treated with Halcyon.
Multiple brain metastases:

Figure 1: 4 arcs; single isocenter; 6 Gy x 5 fractions; beam-on time 3 minutes 45 seconds; imaging time 15 seconds

Nasopharyngeal cancer:

Figure 2: 2 arcs; single isocenter; 2 Gy x 30 fractions; PTV boost 2 Gy x 5 fractions; beam-on time 1 minute 3 seconds; imaging time 17 seconds

Supine left breast:

Figure 3: Tangent fields irregular surface compensation; single isocenter; 2.66 Gy x 16 fractions; boost 2 Gy x 5 fractions; beam-on time 5 minutes 9 seconds; imaging time 15 seconds

Prone left breast:

Figure 4: Tangent fields irregular surface compensation; single isocenter; 2.66 Gy x 16 fractions; boost 2 Gy x 5 fractions; beam-on time 3 minutes; imaging time 15 seconds
Spine metastases:

Figure 5: 2 arcs; single isocenter; 6Gy x 6 fractions, every other day; beam-on time 3 minutes 45 seconds; imaging time 16 seconds

Skin re-treatment right nose:

Figure 6: 1 arc; single isocenter; 2.5Gy x 20 fractions; beam-on time 1 minute 2 seconds; imaging time 15 seconds

Prostate:

Figure 7: 5 arcs; single isocenter; 74 cm diameter; lateral and anterior avoidance; 1.956 Gy x 44 fractions; beam-on time 2 minutes 30 seconds; imaging time 17 seconds
**Spinal cord myxopapillary ependymoma—3 isocenters:**

![Figure 8: 5 field IMRT for each isocenter; beam-on time for cervical spine: 1 minute 4 seconds; thoracic spine: 1 minute 24 seconds and for lumbar spine: 1 minute 15 seconds; imaging time 16 seconds for each isocenter](image)

**Left chest wall, supraclavicular and posterior axillary boost:**

![Figure 9: 4 arcs; single isocenter; 1.8 Gy x 28 fractions; boost 2 Gy x 5 fractions; beam-on time 2 minutes 16 seconds; imaging time 15 seconds](image)
Skin left neck and ear:

Figure 10: 4 arcs; single isocenter; 2 Gy x 28 fractions; boost 2 Gy x 10 fractions; beam-on time 2 minute 19 seconds; imaging time 15 seconds