

Accelerated IMRT and VMAT planning

Philips Pinnacle³ Auto-Planning overview

IMRT and VMAT planning is labor-intensive, time-consuming, and can produce inconsistent results.

Many tedious and repetitive steps requiring significant manual interactions of the planner and physician are needed to create these complex plans, which often delay the start of treatment. Plan quality can vary depending on the experience of the planner or physician, and it can take several iterations to improve the plans based on initial physician feedback. Pinnacle³ Auto-Planning makes this entire process fast, less labor-intensive, and consistently reproducible.

Key advantages

Reduces the total time required to create an IMRT or SmartArc plan

- Replaces exhaustive manual data entry to just a few clicks
- Enhances plan consistency and quality
- Simplifies and standardizes the plan approval process

Accelerate IMRT and VMAT planning with **consistent** results

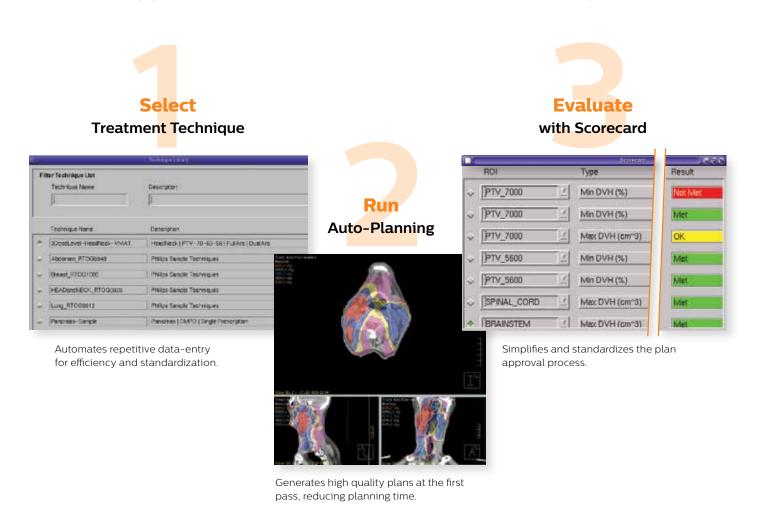
Pinnacle³ Auto-Planning features smart automation tools that enable the creation of high-quality plans the first time with limited intervention, bypassing the usual time-consuming iterative process.

Treatment techniques are selected and applied

from an editable database generated by the site itself. Scorecards provide at-a-glance information on plan quality to evaluate against clinical goals. Results may be easily adapted if required.

Replace **exhaustive** manual data entry with **just a few clicks**

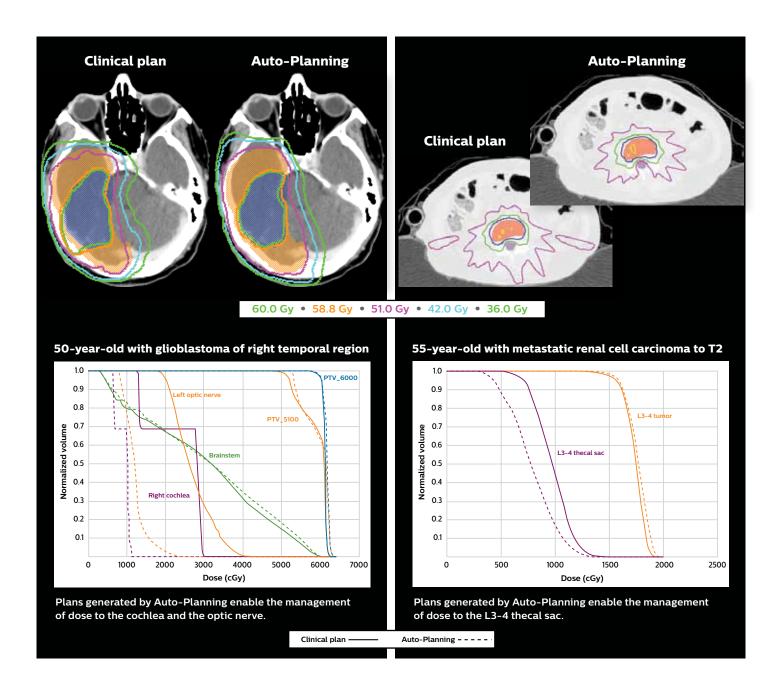
A three-step process reduces the time and effort to create a deliverable plan.



Enhance plan consistency and quality

Reduce planning time by generating high quality plans the first time

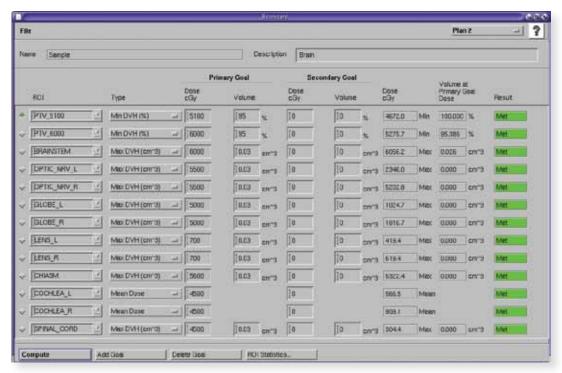
The Auto-Planning engine optimizes target coverage and organs at risk sparing. It reduces the need for multiple plan reviews with the physician or physicist, and runs in the background, leaving the user free for other tasks.



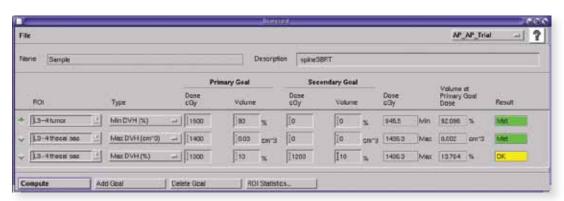
Scorecards simplify and standardize the plan approval process

The user can evaluate the plan by comparing the results against clinical goals set in the Scorecards, and is able to adjust the plan for desired outcomes.

The intuitive traffic-light display provides at-a-glance information on plan quality.



Scorecard showing Auto-Planning results of 50-year-old with glioblastoma of right temporal region.



Scorecard showing Auto-Planning results of 55-year-old with metastatic renal cell carcinoma to T12.

Images courtesy of Cleveland Clinic.

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