

Optimizing outcomes by informing action



“What impact will my decisions have on this patient’s plan?”

As a radiation oncologist, having **confidence** the decisions you make will **optimize the outcome** for the patient is an essential part of your practice.

Thankfully, the technologies used to create and deliver treatments - like dose calculation, delivery optimization, and information systems - are demonstrating state-of-the-art sophistication, maturity, and capability.

But there is an opportunity

to better harness these technologies and the information they create to **provide personalized, predictive insights** into the best achievable planning results for each patient.



Oncospace does just that

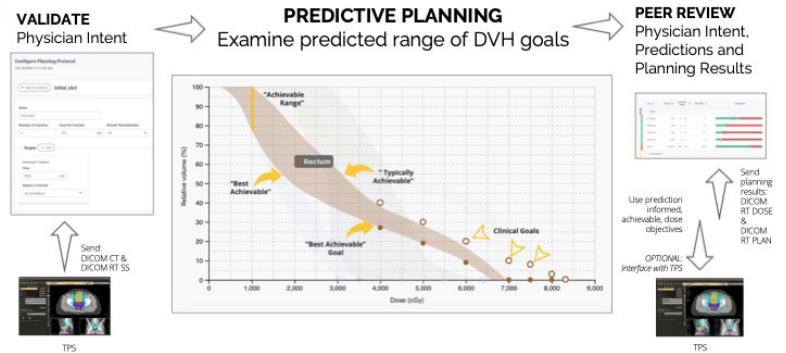
Our approach allows you to confidently:

1. **Predict** an **achievable** range of dosimetric sparing for each organ
2. **Determine** the most appropriate planning strategy
3. **Set** patient specific clinical goals and planning objectives

Oncospace is focused on helping radiation oncologists and the therapy planning team confirm data **integrity** and communicate physician **intent**, as well as allow for efficient evaluation of personalized planning **results**.

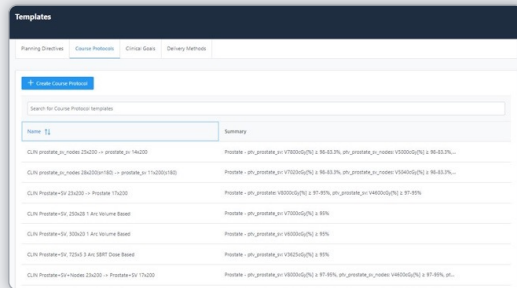
Predictive Planning is a **data-driven, AI-Powered** technology used to create and evaluate personalized planning strategies based on **predictions of achievable OAR sparing***. Its algorithms make use of the clinical protocols and unique anatomical relationships in the curated, clinically delivered, treatment plans of thousands of patients.

Oncospace Workflow (Prostate Example)



How does Oncospace enable radiation oncologists to optimize outcomes?

PROMOTING Best Practice Behavior



Efficiently communicate a patient’s-specific Physician’s Planning Directive to the entire team and facilitate Peer Review with colleagues.

- Perform automated **data validation** and **anomaly checks**, customize protocol templates, confirm prescription and clinical goals, and evaluate planning results with “at-a-glance” DVHs and scorecards.

PREDICTING An Achievable Plan



Use AI-powered, data-driven technology to derive personalized, achievable, OAR sparing objectives that can minimize “Time on TPS”.

- An **80% average reduction** in planning effort and improved plan quality in a 12-patient validation study performed by three expert physicians (Oncospace, SBIR Phase 1 Results).

SHARING Peer-To-Peer Expertise

Goal	%	Protocol	Predicted Range	Plan Value	Comparison
V10_{Bl}(%)	≤ 50%	30 - 40	31	[Progress bar]	
V20_{Bl}(%)	≤ 20%	15 - 22	14	[Progress bar]	
V30_{Bl}(%)	≤ 10%	9 - 15	10	[Progress bar]	
V50_{Bl}(%)	≤ 5-8%	2 - 8	4	[Progress bar]	
Max_{Bl}(Gy)	≤ 3800 cGy	3733 - 3814	3809	[Progress bar]	

Easy access for the entire clinical team from nearly anywhere at any time.

- Built **cloud first** on Microsoft Azure, our SaaS delivered, browser-based, secure, encrypted application allows for on-demand performance and uptime.

* Oncospace Predictive Planning solution for prostate therapy is 510(k) cleared and for sale in the United States only.