RapidPlan™ Knowledge-Based Planning*

**Brain**


**Head & Neck**

Delaney AR, Dahele M, Tol JP, Kuijper IT, Slotman BJ, Verbakel WFAR. *Using a knowledge-based planning solution to select patients for proton therapy*. *Radiother Oncol.* 2017 Aug;126(2):263-270. VU University Medical Center, Amsterdam, The Netherlands


Tol JP, Dahele M, Delaney AR, Slotman BJ, Verbakel WF. *Can knowledge-based DVH predictions be used for automated, individualized quality assurance of radiotherapy treatment plans?* *Radiat Oncol.* 2015 Nov 19;10(1):234. VU University Medical Center, Amsterdam, The Netherlands


**Spine**


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* This bibliography is a representative selection, but not necessarily exhaustive list, of literature pertaining to Varian’s RapidPlan™ knowledge-based planning (KBP) in particular, with additional general KBP articles foundational to RapidPlan in the General & Foundational section.
**Thoracic**


**Breast**


**Gastrointestinal**


**Genitourinary**


Hussein M, South CP, Barry MA, Adams EJ, Jordan TJ, Stewart AJ, Nisbet A. Clinical validation and benchmarking of knowledge-based IMRT and VMAT treatment planning in pelvic anatomy. Radiother Oncol. 2016 Sep;120(3):473-479. Royal Surrey County Hospital NHS Foundation Trust, Guildford, United Kingdom


General, Foundational & Mixed Target


**Intended Use Summary**
Varian Medical Systems' linear accelerators are intended to provide stereotactic radiosurgery and precision radiotherapy for lesions, tumors, and conditions anywhere in the body where radiation treatment is indicated.

**Safety Statement**
Radiation treatments may cause side effects that can vary depending on the part of the body being treated. The most frequent ones are typically temporary and may include, but are not limited to, irritation to the respiratory, digestive, urinary or reproductive systems, fatigue, nausea, skin irritation, and hair loss. In some patients, they can be severe. Treatment sessions may vary in complexity and time. Radiation treatment is not appropriate for all cancers.