Accepted Manuscript

A Chance-Constrained Programming Framework to Handle Uncertainties in Radiation Therapy Treatment Planning

Maryam Zaghian, Gino J. Lim, Azin Khabazian

PII: \$0377-2217(17)30931-1 DOI: 10.1016/j.ejor.2017.10.018

Reference: EOR 14742

To appear in: European Journal of Operational Research

Received date: 30 August 2016 Revised date: 5 July 2017 Accepted date: 11 October 2017



Please cite this article as: Maryam Zaghian, Gino J. Lim, Azin Khabazian, A Chance-Constrained Programming Framework to Handle Uncertainties in Radiation Therapy Treatment Planning, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.10.018

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Highlights

- A new stochastic model for radiation therapy planning
- A chance-constrained optimization framework to handle setup uncertainties.
- Confidence level, the plan quality (robustness and homogeneity) are optimized.
- Second order cone constraint counterparts of the model are developed

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