

Accepted Manuscript

Two-Stage Robust Optimization Approach to Elective Surgery and Downstream Capacity Planning

Saba Neyshabouri, Bjorn Berg

PII: S0377-2217(16)30968-7
DOI: [10.1016/j.ejor.2016.11.043](https://doi.org/10.1016/j.ejor.2016.11.043)
Reference: EOR 14122



To appear in: *European Journal of Operational Research*

Received date: 22 September 2015
Revised date: 24 November 2016
Accepted date: 24 November 2016

Please cite this article as: Saba Neyshabouri, Bjorn Berg, Two-Stage Robust Optimization Approach to Elective Surgery and Downstream Capacity Planning, *European Journal of Operational Research* (2016), doi: [10.1016/j.ejor.2016.11.043](https://doi.org/10.1016/j.ejor.2016.11.043)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- A downstream-constrained surgery scheduling model is developed.
- Uncertainty in surgery duration and postoperative length-of-stay is considered.
- The model is formulated as an adaptive robust optimization problem.
- The model creates robust schedules with low probability of lack of enough capacity.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4959875>

Download Persian Version:

<https://daneshyari.com/article/4959875>

[Daneshyari.com](https://daneshyari.com)