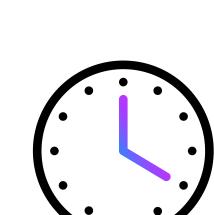




The Economic and Capacity Impact of Time Saved in the Operating Theatre Performing Holmium Laser Enucleation of the Prostate with MOSES™ Technology vs Standard Technology

Bruno L, Demaire C, Sfeir J, Woodward E. based on ISPOR Europe Poster¹, presented on November 8th 2022 in Vienna, accessible **HERE**



Objective

To estimate time savings in the operating room and the potential economic and capacity impacts, comparing standard vs MOSES™ technology for Holmium Laser Enucleation of the Prostate (MoLEP vs HoLEP) in key European countries.1

Background

A recent meta analysis demonstrated that using MOSES™ technology for **HoLEP** was associated with a **statistically** reduced operative time.¹ Reducing time in the operating room (OR) is an important lever for hospitals to optimize their operational efficiency, thus optimising their costs.²

Gauhar et al.¹ found:

Number of patients included in the OR time analysis

MOSES™ technology pooled operating time per HoLEP case*

*Calculated from the pooled Meta Analysis results²

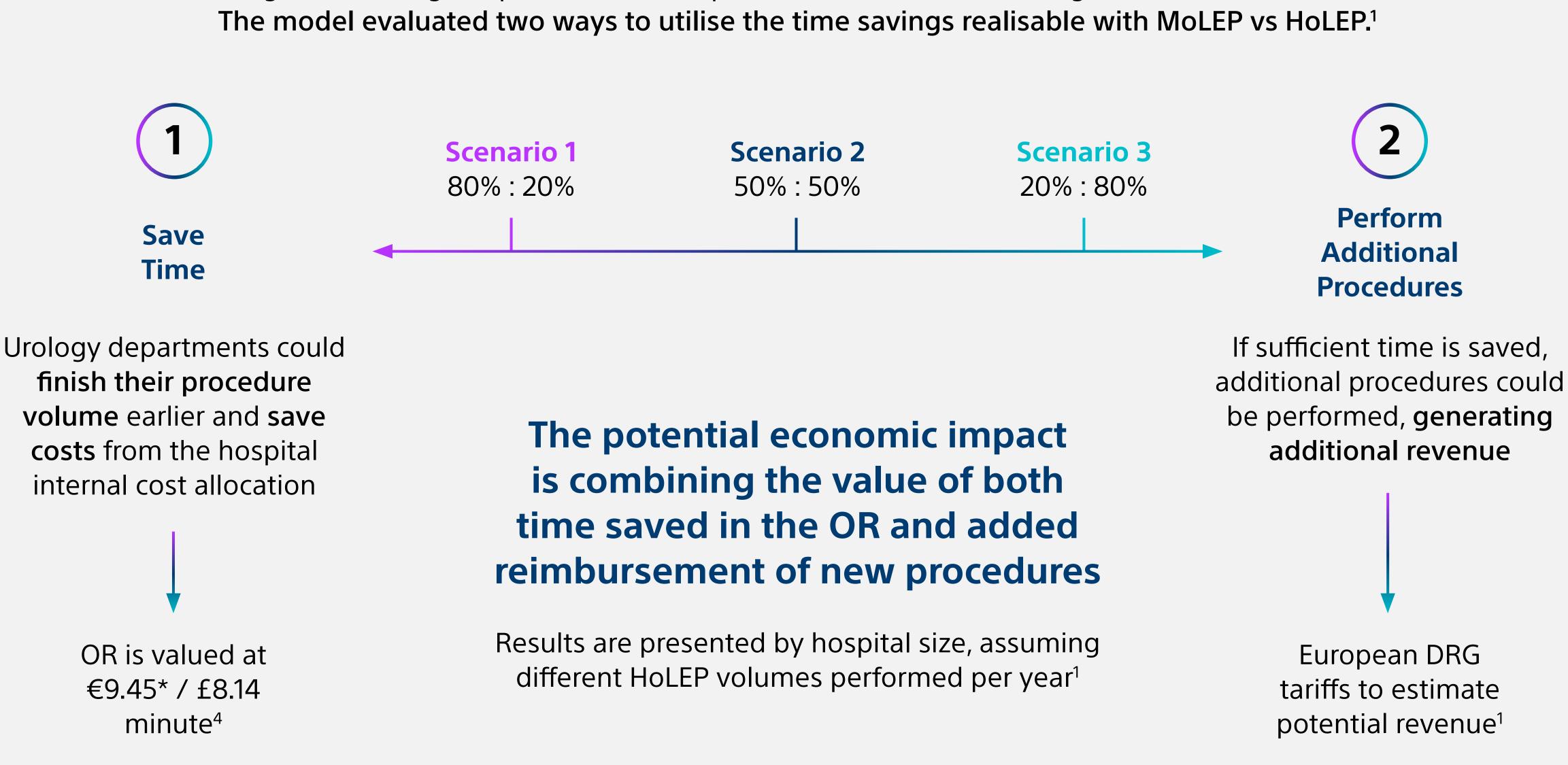
70.62_{min} Standard technology pooled operating time per HoLEP case*

-16.07_{min} -22.75% Time difference absolute

& in percent

Methods

An Illustrative Health Economic Model was developed to extrapolate the per-procedure time savings onto a range of potential annual procedure volumes, assuming a 100% switch to MoLEP.

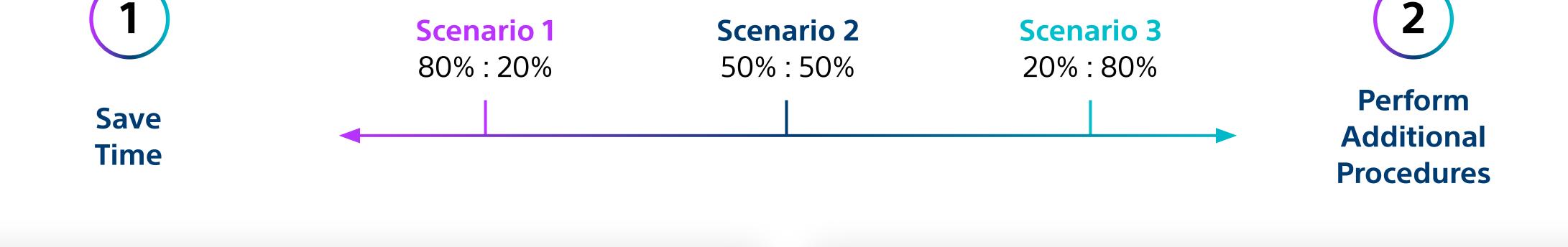


1. Bruno L et al. The Economic and Capacity Impact of Time Saved in the Operating Theatre Performing Holmium Laser Enucleation of the Prostate with MOSES™ Technology vs Standard Technology. Value in Health 25:125 2022. 2. Chapman Jr WC et al. Time is money: Can punctuality decrease operating theatre cost? J Am Coll Surg. 2020, 230(2):182 189 3. Gauhar V et al. Does MOSES Technology enhance the efficiency and outcomes of standard holmium laser enucleation of the prostate? Results of a systematic review and meta analysis of comparative studies. Eur Urol Focus. 2022. 4. Patel S et al. Understanding the costs of surgery: A bottom up cost analysis of both a hybrid operating room and conventional operating room. Int J Health Policy Manag 2022, 11(3), 299 307 5. BSC data on file

Key Results

The potential economic impact of $MOSES^{TM}$ technology varies greatly, depending on procedure volume and local reimbursement tariffs for HoLEP procedures. Hospitals with greater volumes and tariffs are likely to benefit the most from time saved in the OR1

5 MoLEP procedure times are equivalent to 4 HoLEP procedure times¹



The most conservative scenario resulted in a potential increase in procedure volume of

4-6%

Scenario 1

Annual economic impact could range from €8,292 in an

Italian hospital performing 50 HoLEPs/year¹ to €114,264

in a **German** hospital performing **400 HoLEPs/year**⁵

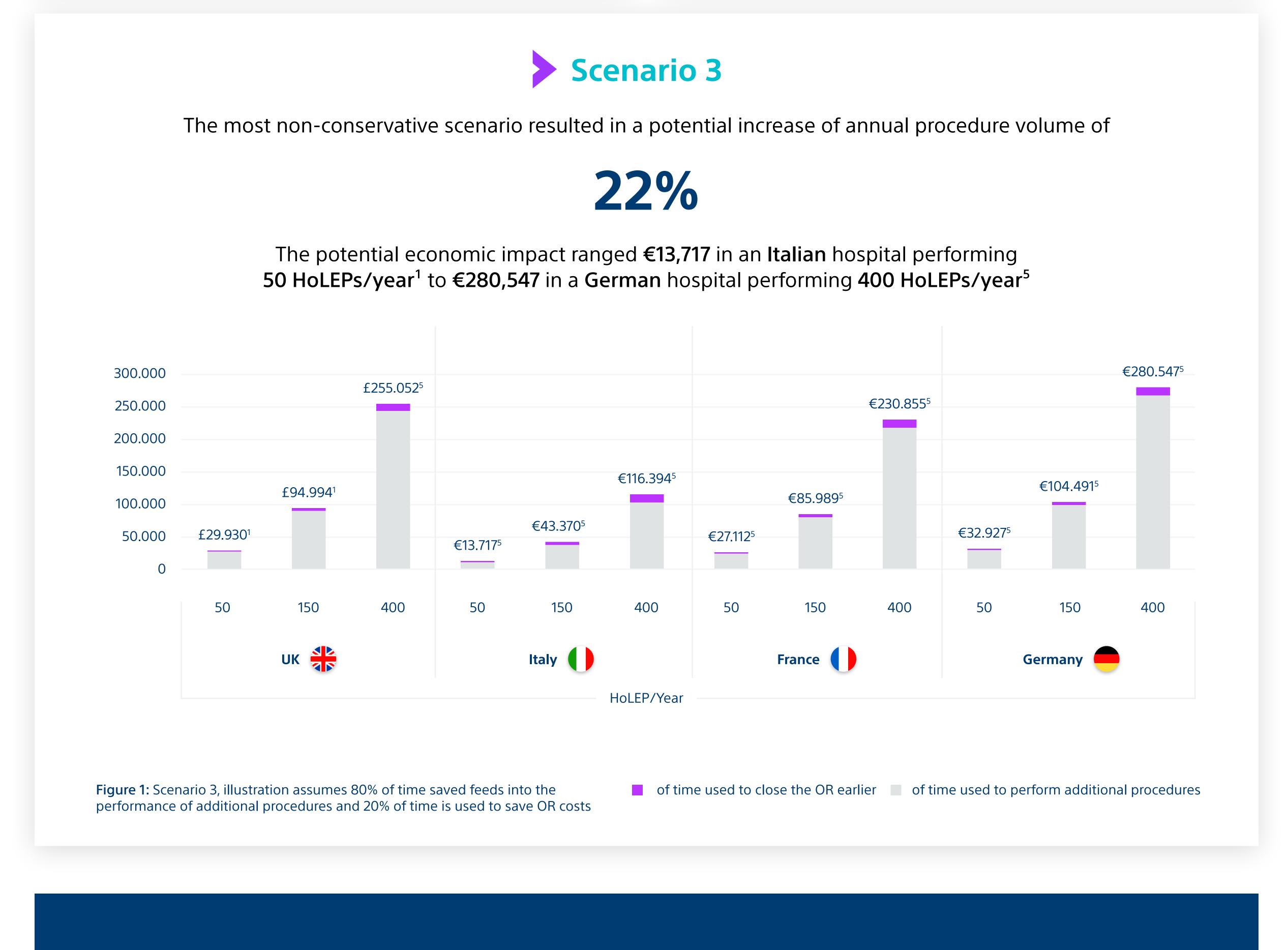
Scenario 2 The moderate scenario resulted in a potential

increase in procedure volume of 14-15%

Annual economic could range from €11,559 in an Italian

a German hospital performing 400 HoLEPs/year⁵

hospital performing 50 HoLEPs/year¹ to €195,978 in



Using MoLEP vs standard HoLEP may help hospitals save sufficient time in the OR to increase their procedure volume and ultimately incur additional revenue. Aspects of operative efficiency and workflow should be considered for the adoption of Medical Technologies¹

Conclusion



CAUTION

and does not represent the opinion of BSC.

For more information on the ISPOR Europe Poster presentation on 'The Economic and Capacity Impact of Time Saved in the Operating Theatre Performing Holmium Laser Enucleation of the Prostate with Moses™ Technology vs Standard Technology',

scan the QR code or click **HERE** to find the published Abstract and Poster presentation.

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