Habilitation Board Decision on the Nomination for Appointment to Associate Professor

Masaryk University	
Faculty	Faculty of Medicine
Procedure field	Surgery
Applicant	MUDr. Petr Šín, Ph.D.
Applicant's home unit, institution	Faculty of Medicine, Masaryk University
Habilitation thesis	Microvascular reconstruction of head defects
Board members	
Chair	prof. MUDr. Jiří Veselý, CSc. *Faculty of Medicine, Masaryk University*
Members	Prof. Dr. med. Johannes C. Bruck *Plastická a estetická chirurgie Südharz Clinic Nordhausen* doc. MUDr. Břetislav Gál, Ph.D. *Faculty of Medicine, Masaryk University* doc. MUDr. Ondřej Měšťák, Ph.D. *Klinika plastické chirurgie Nemocnice na Bulovce a 1.LF UK* doc. MUDr. Aleš Nejedlý *Klinika plastické chirurgie Fakultní nemocnice Královské Vinohrady, Praha*

Evaluation of the applicant's scholarly/artistic qualifications

Petr Šín, MD. PhD. graduated at the Faculty of Medicine of Masaryk University in Brno, Czech Republic (study program General Medicine) in 2001. After the graduation, he started his career at the Department of Burns and Plastic Surgery, Faculty Hospital Brno. Between years 2008 – 2016 he worked at the Clinic of Plastic and Aesthetic Surgery, St. Anne's University Hospital. Since 2016 he is employed at the Department of Burns and Plastic Surgery, Faculty Hospital Brno as an Consultant and a senior doctor. Dr. Šín holds attestations from General Surgery (2004) and Plastic Surgery (2008). In 2011, he finished his doctoral studies in the doctoral study programme Surgery under supervision of Prof. Brychta by defending thesis "Use of allogenic acellular dermis for reconstruction full thickness burns". Dr. Šín published up-to-now in total 29 papers, 10 of them in impacted journals (cumulative IF 7,035). He is listed either as the first or the corresponding author in 13 of these papers (1 of them is published in journal with IF above the median of WoS category). The international impact of his work is echoed by 31 citations in total (26 in WoS) and H-index 3 in WOS (6 in Scopus). Dr. Šín was co-investigator of a grant project "Algorithm for surgical treatment of giant congenital pigment naevi" (IGA NR 8833-3, 2006-2008, PI: MUDr. Vokurková) and currently he is co-investigator of a grant project "The role of oxidative stress in the healing of pressure ulcers in patients with spinal cord lesions" (AZV NU21-09-00541, 2021-2024, PI: Prof. Babula). All papers and grant projects of dr. Šín are related to plastic surgery, with emphasis on new operation procedures and decision making.

Conclusion: The applicant's scholarly/artistic capabilities **meet** the requirements expected of applicants participating in a habilitation appointment procedure in the field of Surgery.

Evaluation of the applicant's pedagogical experience

Petr Šín, MD. PhD. started his teaching activities in 2017 as an Consultant at the Department of Burns and Plastic Surgery, Faculty Hospital Brno. He is currently teaching the course Surgery III in the study programme General Medicine (practices and lectures, both in Czech and in English). He is a co-author of 2 textbooks for medical students. Dr. Šín is currently supervising one doctoral student in the doctoral study programme Surgery and Reproductive Medicine, Specialization Surgery. Another doctoral student supervised by dr. Šín successfully defended his thesis in 2022.

Conclusion: The applicant's pedagogical capabilities **meet** the requirements expected of applicants participating in a habilitation appointment procedure in the field of Surgery.

Habilitation thesis evaluation

In his habilitation thesis "Microvascular reconstruction of head defects" Dr. Šín describes the microsurgical reconstructive procedures used in solution of extensive defects in the head and neck area on oncologic patients. He describes in detail reconstructive methods using free flaps and compares literary sources with his own set of patients treated in the University hospital Brno which were 40 patients operated in the course of 5 years by the author. Dr. Šín describes the basic methods of reconstructing defects in the head and neck area used both in plastic surgery and in other specialties such as otolaryngology, maxillofacial surgery, neurosurgery, etc. and afterwards presents the original approach to reconstruction of two defects of the lower jaw once divided vascularized fibula with reverse blood flow. The benefit of this habilitation thesis lays especially in a detailed description of a group of patients with an extensive tumour in the head and neck area in the Czech republic, which can serve as well as a representative sample for other disciplines, in introducing the original possibility of reconstructing two defects of the lower jaw using one split vascularized fibulae with reverse blood flow in the distal segment, and in the description of the personal procedure when using 3D modelling and cutting guides for reconstruction lower jaw with vascularized bone using a local Czech company. The achieved clinical results summarized in this thesis bring valuable information, the value of which is underlined by the uniqueness of the clinical group within the Czech Republic, especially for clinical practice. The author's systematic interest in the chosen issue and the effort to expand the

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demonstrated reconstructive procedures into clinical practice is worth mentioning. The habilitation thesis of dr. Šín can be considered valuable, especially with regard to the uniqueness of the described clinical set and the detailed description of operative procedure with the 3D model.

Conclusion: The applicant's habilitation thesis **meets** the requirements expected of habilitation theses in the field of Surgery.

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Secret vote results

Voting took place: electronically

Number of board members		5
Number of votes cast		5
of which	in favour	5
	against	0

Board decision

Based on the outcome of the secret vote and following an evaluation of the applicant's scholarly or artistic qualifications, pedagogical experience and habilitation thesis, the board hereby submits a proposal to the Scientific Board of the Faculty of Medicine of Masaryk University to **appoint the applicant associate professor** of Surgery.

In Brno on 18.01.2024

prof. MUDr. Jiří Veselý, CSc. .....

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