

COMMENTARY TO HABILITATION THESIS¹

The theme of my thesis is Education and Palliative Care in the ICU. This habilitation thesis is a synthesis of four previously published articles on this theme. I began my PhD studies on palliative care in the ICU during my PhD studies during the COVID-19 pandemic. Even after the COVID-19 pandemic had ended, the importance of palliative care in the ICU setting remains great. One of the most important factors to improve the quality of palliative care and end-of-life decisions is healthcare personnel education. One of the main trends in evidence-based medical education is simulation-based training. In the theoretical part of the thesis, I present the educational challenges of palliative care in the ICU and propose a simulation-based approach. In the rest of my thesis, I present articles related to education in anaesthesia and intensive care, or to palliative care practice.

The first two articles were based on the results of the PEOpLE-C19 study (Palliative care practice and moral distress during the COVID-19 pandemic). This national cross-sectional study aimed to describe palliative care practice during the COVID-19 pandemic and to examine the occurrence and potential factors of healthcare personnel's moral distress. These results were a driving force for establishing the RIPE-ICU Research Initiative in Palliative Care and Ethics in the ICU and creating a pan-European study.

The third article reports on experiences and expectations regarding the incorporation of virtual reality into postgraduate training. The data were obtained through on-line survey. The reason for this study lies in the current development of online course teaching in end-of-life and palliative care in the ICU. This online course will use virtual reality and artificial intelligence to make the situations as real as possible. Its development is funded by a grant from the Technology Agency of the Czech Republic.

The last article reports the influence of simulation training on residents in anaesthesiology and intensive care medicine. This study was conducted when in-situ simulations of anaesthetic emergencies were established at the Department of Anaesthesiology, Resuscitation, and Intensive Care at the University Hospital in Brno. The main purpose of the study was to advocate for this new training method.

The next part of my thesis is presenting my work at the ESICM board while publishing the guidelines for palliative care in the ICU.

The last section covers my second field of interest and publication activity, anaesthesia and intensive care for scoliotic patients.

¹ The commentary must correspond to standard expectations in the field and must include a brief characteristic of the investigated matter, objectives of the work, employed methodologies, obtained results and, in case of co-authored works, a passage characterising the applicant's contribution in terms of both quality and content.

[1]² **PROKOPOVÁ, Tereza**, Jan HUDEC, Kamil VRBICA, Jan STAŠEK, Andrea POKORNÁ, Petr ŠTOURAČ, Kateřina RUSINOVÁ, Paulína KERPNEROVÁ, Radka ŠTĚPÁNOVÁ, Adam SVOBODNÍK and Jan MALÁSKA on behalf of RIPE-ICU study group. Palliative care practice and moral distress during COVID-19 pandemic (PEOpLE-C19 study): a national, cross-sectional study in intensive care units in the Czech Republic. *Critical Care* [online]. 2022, **26**(Article 221). ISSN 1364-8535. Available at: doi:10.1186/s13054-022-04066-1

Experimental work (%)	Supervision (%)	Manuscript (%)	Research direction (%)
80	0	50	25

[2] **PROKOPOVÁ, T.**, J. HUDEC, K. VRBICA, J. STAŠEK, A. POKORNÁ, P. ŠTOURAČ, K. RUSINOVÁ, P. KERPNEROVÁ, R. ŠTĚPÁNOVÁ, A. SVOBODNÍK and J. MALÁSKA. Palliative care terminology and practice in intensive care units in the Czech Republic: results of PEOpLE-C19 study [Terminologie a praxe paliativní péče na jednotkách intenzivní péče v České republice: výsledky studie PEOpLE-C19]. *Anesteziologie a intenzivní medicína* [online]. 2022, **33**(5), 198–204. ISSN 1214-2158. Available at: doi:10.36290/aim.2022.032

Experimental work (%)	Supervision (%)	Manuscript (%)	Research direction (%)
80	0	50	25

[3] **PROKOPOVÁ, T.**, D. DIABELKO, T. VAFKOVÁ, E. KLABUSAYOVÁ, J. HUDEC and P. ŠTOURAČ. Experiences of HCPs working at ICUs with a virtual reality in postgraduate training – multicentre survey [Zkušenosti zdravotníků pracujících na JIP s virtuální realitou v postgraduálním vzdělávání – multicentrická dotazníková studie]. *Anesteziologie a intenzivní medicína* [online]. 2025, **36**(4), 241–246. ISSN 1214-2158. Available at: doi:10.36290/aim.2025.039

Experimental work (%)	Supervision (%)	Manuscript (%)	Research direction (%)
30	50	30	50

[4] **PROKOPOVÁ, T.**, K. VRBICA, J. HUDEC, J. DVOŘÁČEK, R. GÁL and J. MALÁSKA. Evaluation of the implementation of medical simulations into postgraduate training before completing anesthesiology and intensive care residency program [Zhodnocení implementace simulační výuky do specializačního vzdělávání lékařů před absolvováním základního kmene]. *Anesteziologie a intenzivní medicína* [online]. 2021, **32**(2), 74–81. ISSN 1214-2158. Available at: doi:10.36290/aim.2021.009

Experimental work (%)	Supervision (%)	Manuscript (%)	Research direction (%)
50	30	30	90

² Bibliographic record of a published scientific result, which is part of the habilitation thesis.