

Masaryk University	
Faculty	Faculty of Medicine
Procedure field	Internal Medicine
Applicant	MUDr. Vladimír Kojecký, Ph.D.
Applicant's home unit, institution	Krajská nemocnice T. Bati, a. s., Zlín, Interní oddělení
Habilitation thesis	The vitamin D supplementation dose in patients with inflammatory bowel disease
<u>Board members</u>	
Chair	prof. MUDr. Miroslav Souček, CSc. <i>Faculty of Medicine, Masaryk University</i>
Members	doc. MUDr. Jiří Dolina, Ph.D. <i>Faculty of Medicine, Masaryk University</i> doc. MUDr. Jan Hajer, Ph.D. <i>Interní klinika 3. LF UK a FNKV</i> Professor Michael Horowitz <i>Institution University of Adelaide</i> prof. MUDr. Marcela Kopáčková, Ph.D. <i>II. interní gastroenterologická klinika LF UK a FN Hradec Králové</i>

Evaluation of the applicant's scholarly/artistic qualifications

Vladimír Kojecký, M.D., Ph.D., completed his studies at the Faculty of Medicine, Masaryk University in Brno, in 1987 (General Medicine program). After graduation, he began his clinical career at the Department of Internal Medicine at the Bata Regional Hospital in Zlín. He worked there as a physician, later headed the Digestive Endoscopy Center, and served as deputy head of the department. In 2022, he was appointed head of the department. He obtained his first (1990) and second (1998) degree board certifications in internal medicine, and board certification in gastroenterology in 1994. In 2005, he earned his Ph.D. degree by successfully defending his dissertation at the Faculty of Medicine, Masaryk University in Brno, on the topic "Impaired Gastric Emptying in Elderly Type 2 Diabetic Patients."

Dr. Kojecký published up-to-now in total 37 papers, 12 of them in impacted journals (cumulative IF 26,914). He is listed either as the first or the corresponding author in 25 of these papers (2 of them is published in journal with IF above the median of WoS category). The international impact of his work is echoed by 190 citations in total (70 in WoS) and H-index 5 in WOS. Dr. Kojecký participates in a grant projects "Neinvazivní stimulace mozku pro přípravu pacienta na bariatrickou operaci" (PI: prof. Rektorová) and "Vytvoření kompozitního stratifikačního skóre predikujícího vyšší výskyt perinatálních komplikací a poporodní persistence diabetu u žen s gestačním diabetes mellitus" (PI: Prof. Kaňková). He was member of Accreditation Committee of the Ministry of Health of the Czech Republic for the field of specialized education in gastroenterology in years 2016-2017.

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

Evaluation of the applicant's pedagogical experience

Vladimír Kojecký, M.D., Ph.D., has been regularly involved in teaching pregraduate students at the Faculty of Medicine, Masaryk University in Brno, since 2013. He is the co-author of two teaching texts published by Grada Publishing (publication awarded by the Czech Society of Internal Medicine and the Czech Society of Surgery) and Avicenum. Additionally, he is a co-author of the educational series Škola diabetika published by Czech Television.

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

Habilitation thesis evaluation

The habilitation thesis of Dr. Kojecký titled The vitamin D supplementation dose in patients with inflammatory bowel disease, focuses on the clinically significant and unresolved issue of determining the required supplementation dose of vitamin D in patients with inflammatory bowel disease (IBD) to prevent deficiency.

Vitamin D has immunomodulatory effects, and its deficiency, which is common in these patients, negatively impacts the course of IBD. However, the exact supplementation dose is still unknown, and there are no general recommendations (except for specific subgroup treated with corticosteroids) or studies that would provide guidance for clinical practice. Dr. Kojecký's work is the first to systematically and specifically explores the issue of determining the appropriate vitamin D supplementation dose in these patients.

The theoretical part of the thesis provides a comprehensive summary of the current state of knowledge, with a particular focus in detail on the issue of vitamin D supplementation. The research part of the work is divided into two phases. In the first, prospective one, the author

focuses on predicting the possible range of vitamin D doses, as there are no valid data available that could serve as a basis for the correct dose determination.

In the second research part, conducted in the form of a multicenter randomized trial (registered under code NCT05153642), the accuracy of this estimate was verified and the factors that may affect the efficacy of supplementation in these patients were analyzed.

The contribution of this habilitation thesis lies primarily in addressing an unexplored and clinically crucial issue affecting a significant group of IBD patients. This work is unique due to its choice of topic, and the results presented. The conclusions of the work carry direct practical implications and provide a strong basis for revising the current paradigm of vitamin D underdosing for this group of patients.

The results, which Dr. Kojecký published in an international journal with an impact factor and citation response, represent the first published study in the world literature that systematically addresses the determination of the optimal vitamin D dose for this cohort, furthermore using a randomized clinical trial approach.

All opponents unanimously agreed on the extraordinary value and contribution of this habilitation thesis, even in an international context

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

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 Internal Medicine.

In Brno on 10.01.2025

prof. MUDr. Miroslav Souček, CSc.

.....