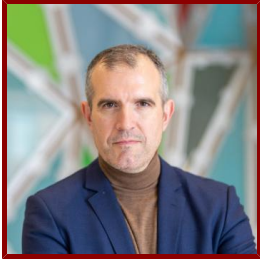


Stanford



Teodor Grantcharov, MD, PhD, FACS, FRCS (Glasg)

Professor of Surgery (General Surgery)
Surgery - General Surgery

CLINICAL OFFICE (PRIMARY)

- **Bariatric and Metabolic Interdisciplinary Clinic**
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ACADEMIC CONTACT INFORMATION

- **Academic & Administrative Contact**
Tara Ti - Administrative Associate
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Bio

BIO

Dr. Teodor Grantcharov is a board-certified, fellowship-trained surgeon specializing in bariatric (weight loss) and minimally invasive surgery. He is also a clinical professor of surgery at Stanford University School of Medicine and associate chief quality officer for innovation and safety at Stanford Health Care.

As a surgeon, Dr. Grantcharov specializes in minimally invasive and bariatric surgery. He is an accomplished researcher and leader in the field of surgical innovation and patient safety. His work has made important contributions in curriculum design, assessments of competence, and impact of surgical performance on clinical outcomes. Dr. Grantcharov developed the surgical Black Box concept, designed to transform safety culture in medicine and introduce modern safety management systems in high-risk operating rooms.

Dr. Grantcharov has published more 220 articles in peer-reviewed journals and given more than 200 invited presentations in Europe and North and South America. He holds several patents and is the founder of Surgical Safety Technologies, Inc.—an academic startup that commercializes the Black Box Platform™. Dr. Grantcharov has received several prestigious honors and awards, including the Queen Elizabeth II Diamond Jubilee Medal for his contributions in clinical research and patient safety in Canada.

Dr. Grantcharov is a fellow of the American College of Surgeons.

CLINICAL FOCUS

- General Surgery

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Surgery - General Surgery

PROFESSIONAL EDUCATION

- Fellowship: Temple University Hospital Dept of Surgery (2006) PA
- Residency: Copenhagen University Rigshospitalet (2005) Denmark
- Internship: Copenhagen University Rigshospitalet (1997) Denmark
- Medical Education: Medical University of Plovdiv (1996) Bulgaria

Research & Scholarship

CLINICAL TRIALS

- Stanford Program to Accelerate Robotic Children's Surgery, Not Specified

Publications

PUBLICATIONS

- **Understanding safety threats and resilience supports in the operating room: a mixed-methods protocol study using surgical video analysis and clinician interviews.** *BMJ open*
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- **Assessing ovarian cancer via laparoscopic video: inter-rater and intra-rater reliability.** *International journal of gynecological cancer : official journal of the International Gynecological Cancer Society*
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- **Does the Surgical Safety Checklist need a co-pilot? Comparing adherence in gynecological surgery through electronic medical records and OR Black Box video observations.** *Surgical endoscopy*
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- **Impact of a Massive Open Online Course on Radiation Safety in the Hybrid Operating Room.** *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*
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- **A comparative analysis of the STAT taxonomy and T-NOTECHS for assessing trauma team non-technical skills: A secondary analysis using trauma video review.** *Injury*
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- **The Future Is in Sight-Using Computer Vision for Automated Objective Review of Laparoscopic Cholecystectomies**
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- **Impact of team performance on the surgical safety checklist on patient outcomes: an operating room black box analysis.** *Surgical endoscopy*

- Al Abbas, A. I., Meier, J., Daniel, W., Cadeddu, J. A., Bartolome, S., Willett, D. L., Palter, V., Grantcharov, T., Odeh, J., Dandekar, P., Evans, K., Wu, E., Apraku, et al
2024
- **Enhancing patient safety in trauma: Understanding adverse events, assessment tools, and the role of trauma video review.** *American journal of surgery*
Nazir, A., Shore, E. M., Keown-Stoneman, C., Grantcharov, T., Nolan, B.
2024
 - **Using the Operating Room Black Box to Assess Surgical Team Member Adaptation Under Uncertainty: An Observational Study.** *Annals of surgery*
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2024
 - **Remote Assessment of Real-World Surgical Safety Checklist Performance Using the OR Black Box: A Multi-Institutional Evaluation.** *Journal of the American College of Surgeons*
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 - **Navigating a Path Towards Routine Recording in the Operating Room.** *Annals of surgery*
Langerman, A., Hammack-Aviran, C., Cohen, I. G., Agarwala, A. V., Cortez, N., Feigenson, N. R., Fried, G. M., Grantcharov, T., Greenberg, C. C., Mello, M. M., Shuman, A. G.
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 - **Automated Capture of Intraoperative Adverse Events Using Artificial Intelligence: A Systematic Review and Meta-Analysis.** *Journal of clinical medicine*
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 - **Assessing endovascular team performances in a hybrid room using the Black Box system: a prospective cohort study.** *The Journal of cardiovascular surgery*

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● **Simulation-Based Training of Non-Technical Skills in Colonoscopy: Protocol for a Randomized Controlled Trial** *JMIR RESEARCH PROTOCOLS*

Khan, R., Scaffidi, M. A., Walsh, C. M., Lin, P., Al-Mazroui, A., Chana, B., Kalaichandran, R., Lee, W., Grantcharov, T. P., Grover, S. C.
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