

Chapter 8

Performance Evaluation in Anesthesiology: A Literature Review on Psychological and Organizational Factors Influencing Professional Performance


Stéphanie Monteiro

*Institute for Systems and Robotics,
Instituto Superior Técnico, Portugal*


Patrícia David

*ISLA Santarém, Portugal &
TechnoPhage, Portugal*

Ricardo Marcão

 <https://orcid.org/0000-0003-3277-3078>
ISLA Santarém, Portugal

Maria José Sousa

 <https://orcid.org/0000-0001-8633-4199>
*ISCTE, University Institute of Lisbon,
Portugal*


Vasco Santos

*Polytechnic Institute of Tomar,
Portugal & ISLA Santarém, Portugal
& GOVCOPP, Portugal & CiTUR,
Portugal*

Filipa Martinho

ISLA Santarém, Portugal

Marta Correia Sampaio

 <https://orcid.org/0000-0003-0004-601X>
*Polytechnic Institute of Santarém,
Portugal*

ABSTRACT

This chapter examines the evaluation of anesthesia professionals by focusing on the psychosocial and organizational factors that impact their performance. Traditional assessments tend to emphasize technical skills but often neglect critical influences such as job satisfaction, stress, and organizational support. Using Allen and Meyer's

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Organizational Commitment Model, the review explores how affective, continuance, and normative commitment shape professional behavior in high-pressure environments like anesthesiology. The findings highlight that beyond technical competence, psychosocial well-being and organizational dynamics, including leadership and team culture, are crucial to ensuring optimal performance. The chapter suggests that pre- and post-intervention questionnaires can provide valuable insights into these factors, advocating for a more integrated approach to performance evaluation in anesthesiology.

1. INTRODUCTION TO ANESTHESIOLOGY AND PROFESSIONAL PERFORMANCE

Anesthesiology is a critically important medical discipline that involves the comprehensive management of perioperative care for patients, ensuring their utmost safety and facilitating the delivery of anesthesia during surgical procedures. The profession entails an exceptionally demanding nature, as it necessitates a fusion of advanced technical aptitude and the capacity to make swift decisions under immense pressure. Conventional performance assessments for anesthesiologists have primarily concentrated on clinical outcomes, encompassing elements such as patient safety, successful anesthesia administration, and recovery periods. However, these evaluations often disregard the vital psychosocial and organizational factors that substantially contribute to overall professional performance. (Gottumukkala et al., 2023; Su & Zeng, 2023) In the context of high-stress environments like operating rooms, where anesthesiologists must operate within deadlines and within the confines of immense pressure, it is imperative to broaden modern performance evaluation frameworks to encompass these aforementioned factors. Integrating psychosocial factors with organizational commitment is pivotal in adopting a holistic approach to evaluate the performance of anesthesiologists. Such an approach incorporates various factors, including but not limited to, effective communication and collaboration with the surgical team, empathy towards patients, and the ability to proficiently manage stress levels while maintaining optimal mental well-being. These psychosocial factors not only influence the delivery of anesthesia but also substantially impact the overall patient experience and subsequent outcomes. (NGUYEN et al., 2021; Weer & Greenhaus, 2020) Moreover, the advent of cutting-edge technological advancements, such as biomedical simulators, introduces a novel realm for enhancing the training and performance of anesthesiologists. These sophisticated simulators facilitate realistic practice scenarios that expertly replicate complex surgical procedures and critical events. By utilizing these simulators, anesthesiologists are able to augment their technical skills, heighten their ability to make informed decisions,

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