

# Objective Medical Decision Making: A Systems Approach in Acute Disease

In the fast-paced and complex healthcare environment, healthcare professionals are faced with numerous challenges in making timely and informed decisions. Objective medical decision-making systems provide a valuable tool to assist healthcare professionals in managing acute disease by integrating evidence-based medicine, clinical expertise, and patient preferences.



## Objective Medical Decision-making; Systems Approach in Acute Disease: Eindhoven, The Netherlands, 19–22 April 1983 Proceedings (Lecture Notes in Medical Informatics Book 22)

★★★★★ 5 out of 5

Language : English  
File size : 9365 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 311 pages



## What is Objective Medical Decision Making?

Objective medical decision making is a systematic approach to healthcare decision-making that uses evidence-based medicine, clinical expertise, and patient preferences to make informed decisions about patient care. It involves the following steps:

1. **Assessment:** Gathering information about the patient's condition, including symptoms, medical history, and physical examination findings.
2. **Diagnosis:** Determining the most likely cause of the patient's condition.
3. **Treatment:** Selecting the best course of treatment for the patient, based on evidence-based medicine and clinical expertise.
4. **Monitoring:** Tracking the patient's progress and adjusting the treatment plan as needed.

## Benefits of Objective Medical Decision Making

Objective medical decision making offers several benefits for healthcare professionals and patients, including:

- **Improved patient outcomes:** By using evidence-based medicine and clinical expertise, objective medical decision making can help healthcare professionals make more informed decisions about patient care, leading to better patient outcomes.
- **Reduced costs:** Objective medical decision making can help healthcare professionals avoid unnecessary tests and procedures, which can save money for both the patient and the healthcare system.
- **Increased efficiency:** Objective medical decision-making systems can help healthcare professionals make decisions more quickly and efficiently, which can free up time for other patient care activities.

## Types of Objective Medical Decision Making Systems

There are a variety of objective medical decision making systems available, including:

- **Clinical decision support systems (CDSSs):** CDSSs are computer-based systems that provide healthcare professionals with information and tools to help them make decisions about patient care. CDSSs can be used to identify potential diagnoses, recommend treatments, and monitor patient progress.
- **Evidence-based medicine (EBM):** EBM is a systematic approach to healthcare decision-making that uses the best available evidence to make decisions about patient care. EBM involves searching for and evaluating scientific evidence, and then applying it to patient care.
- **Clinical practice guidelines (CPGs):** CPGs are evidence-based recommendations for patient care that have been developed by experts in a particular field. CPGs can be used to guide healthcare professionals in making decisions about patient care.

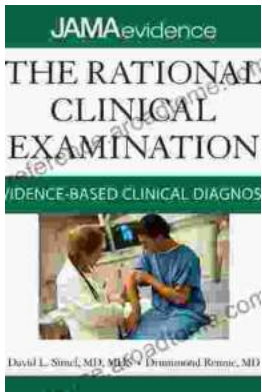
Objective medical decision making is an essential tool for healthcare professionals in managing acute disease. By using evidence-based medicine, clinical expertise, and patient preferences, healthcare professionals can make more informed decisions about patient care, leading to better patient outcomes.



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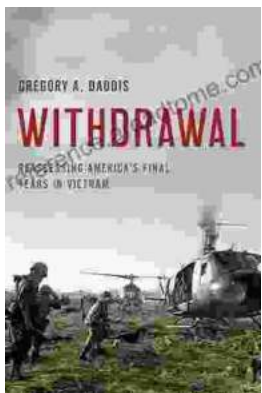
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