



RISK FACTORS ASSOCIATED WITH ACUTE COGNITIVE DECLINE

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Introduction

Cognitive impairment - the transitional stage between normal aging and dementia. Acute cognitive decline - a form of cognitive impairment, consists of frequent confusion or memory loss, before the deficits could be detected by cognitive tests.

Keywords

Acute cognitive decline, risk factors.

Purpose

To identify the risk factors that are associated with development of acute cognitive decline.

Material and methods

1. A narrative review
2. Key words: "acute cognitive decline", "risk factors"
3. Database: PubMed; filters: article type – meta-analysis, systematic review, clinical trial, randomized controlled trial; period - 2017-2022.
4. Results - 28 papers
5. Relevant studies -14

Results

in 42,85% of cases	in 21,42% cases
preoperative depression and older age	a prolonged bed rest in hospitalized older patients
intraoperative increase in intubation time	without multicomponent exercise intervention
postoperative presence of delirium and increased days in the intensive care unit	
deep anaesthesia	
long operation duration (>4 hours' anesthesia)	
preoperative regular anti-psychotic treatment	
presence of diabetes mellitus and acute perioperative hyperglycemia	

Fig. 1. Risk factors associated with acute cognitive decline

Conclusions

1. There is little evidence based on the risk factors associated with acute cognitive decline.
2. We identified some of them: patients undergoing different types of surgeries and the lack of physical activity.
3. Physicians should consider these to offer better perspectives for patients.