Ultrasoundographic Carotid Artery Flow Measurements as Predictors of Postspinal Hypotension in Elderly Patients: A Prospective Observational Study.

General Recommendation: Reconsider after major corrections

Comments to Editor:
The authors have been given recommendations to revise the manuscript.

Comments to Author:
The authors have presented an observational study of 50 patients 65 years of age who underwent elective surgery under spinal anesthesia to evaluate ultrasoundographic carotid artery flow measurements with mitral early-diastolic inflow peak velocity E measured by transesophageal echocardiography TEE during the passive leg raise PLR test to identify post spinal anesthesia PSA hypotension. The study identified 17 patients with post spinal anesthesia PSA hypotension. This is a complex study with several methods that require clear terminology and descriptions. The authors are requested to revise the manuscript to improve the clarity of the written content. 1. Throughout the manuscript, please consistently use clear current medical terminology. Importantly - post spinal anesthesia PSA hypotension - and - mitral early-diastolic inflow peak velocity E and - the passive leg raise PLR test. Please make clear whether you used carotid Doppler ultrasonography. 2. Throughout the manuscript, please define all abbreviations when first used in the Abstract, the main manuscript, in each Table footnote, and in each Figure legend so that the manuscript content can be understood. 3. Publications are searched and cited based on the content of the manuscript Title, Abstract, and Keywords. Therefore, a clear and descriptive Title is required. For example, Ultrasonographic Carotid Artery Flow Measured and Mitral Early-Diastolic Inflow Peak Velocity E Measured by Transesophageal Echocardiography During the Passive Leg Raise Test In 50 Patients 65 Years of Age who Underwent Elective Surgery Under Spinal Anesthesia to Identify Post Spinal Anesthesia Hypotension. 4. The Abstract should be no more than 250 words in length and all abbreviations should be defined when first used. 5. The Background subsection of the Abstract should state the aims of the study. Therefore, this observational study of 50 patients 65 years of age who underwent elective surgery under spinal anesthesia aimed to evaluate ultrasoundographic carotid artery flow measurements with mitral early-diastolic inflow peak velocity E measured by transesophageal echocardiography TEE during the passive leg raise PLR test to identify post spinal anesthesia PSA hypotension. 6. The Conclusions subsection of the Abstract should clearly state the main message of the study. 7. Please include a maximum of 5 Keywords using terms from the Medical Subject Heading MeSH database on the PubMed site http://www.ncbi.nlm.nih.gov/mesh. 8. In the main Background section, please support each statement of fact with a Reference citation. 9. Please end the main Background section with a statement of the aims of the study. Therefore, this observational study of 50 patients 65 years of age who underwent elective surgery under spinal anesthesia aimed to evaluate ultrasoundographic carotid artery flow measurements with mitral early-diastolic inflow peak velocity E measured by transesophageal echocardiography TEE during the passive leg raise PLR test to identify post spinal anesthesia PSA hypotension. 10. Please begin the main Methods section with the Ethical statement that includes the Ethics Committee approval details and also the details of patient informed consent. 11. Please write the content clearly and support the methods used with a Reference. 12. The main Discussion section should begin by summarizing your findings. Then, compare your findings with the findings from previous similar studies that you introduced in the Background section. 13. The Discussion section must end with a paragraph that discusses the limitations of the study. Also, please discuss the limitations of the main methods. 14. The main Conclusions section should be clear and concise and should match the Abstract. 15. The Tables and Figure legends should be added at the end of the manuscript, after the Reference list. 16. The Figure legends should have a clear and descriptive title. Each legend should clearly describe what is being shown in the Figure. All abbreviations should be defined when first used in each Figure legend, so that the reader can understand the Figures when looking at them individually and separate from the main manuscript. 17. Each Table should have a clear and descriptive title. All abbreviations should be defined in a footnote for each Table.

Title and abstract

Introduction

Material and Methods

Statistical Analysis
The authors have presented an observational study of 50 patients >65 years of age who underwent elective surgery under spinal anesthesia to evaluate ultrasonographic carotid artery flow measurements with mitral early-diastolic inflow peak velocity (E) measured by transesophageal echocardiography (TEE) during the passive leg raise (PLR) test to identify post spinal anesthesia (PSA) hypotension. The study identified 17 patients with post spinal anesthesia (PSA) hypotension.

This is a complex study with several methods that require clear terminology and descriptions. The authors are requested to revise the manuscript to improve the clarity of the written content.

1. Throughout the manuscript, please consistently use clear current medical terminology. Importantly - post spinal anesthesia (PSA) hypotension - and - mitral early-diastolic inflow peak velocity (E) and - the passive leg raise (PLR) test. Please make clear whether you used carotid Doppler ultrasonography.

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12. The main Discussion section should begin by summarizing your findings. Then, compare your findings with the findings from previous similar studies that you introduced in the Background section.

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16. The Figure legends should have a clear and descriptive title. Each legend should clearly describe what is being shown in the Figure. All abbreviations should be defined when first used in each Figure legend, so that the reader can understand the Figures when looking at them individually and separate from the main manuscript.

17. Each Table should have a clear and descriptive title. All abbreviations should be defined in a footnote for each Table.