

Time for a revival of anatomy education in postgraduate obstetrics and gynaecology training: A longitudinal analysis of anatomy knowledge

Dorothea Koppes¹, Anniko Snoeren², Kim Notten³, Annelieke Schepens-Franke³, Roy Kruitwagen⁴, and Fedde Scheele⁵

¹Maastricht UMC+

²Maastricht University

³Radboudumc

⁴GROW, School for Oncology and Developmental Biology, Maastricht University Medical Centre

⁵Vrije Universiteit Amsterdam

January 30, 2024

Abstract

Objective: To determine the anatomy knowledge in postgraduate obstetrics and gynaecology trainees. Our hypothesis was that trainees possess a good knowledge of anatomy and, on average, would correctly answer at least 80% of questions on core anatomy knowledge. **Design:** A 10-year longitudinal study. **Setting:** This study included the results from annual progress tests over 10 years (2010–2019) that were completed by Dutch obstetrics and gynaecology postgraduates. **Population:** Dutch trainees in the field of obstetrics and gynaecology. **Methods:** Anatomy questions included in a yearly progress test were assessed for their relevance. Relevance was determined according to a previous Delphi study, which identified 86 structures that are essential for the safe and competent practice of general gynaecologists. Scores on relevant anatomy questions were calculated. **Main Outcome Measures:** The mean percentage correct answers. **Results:** Of all 1637 questions of the yearly progress test, 54 were anatomy-related questions (3.3%). Of these 54 questions, 38 (70%) were considered as relevant questions. The mean 10-year correct response rate on relevant questions was 64.5%. **Conclusions:** The anatomy knowledge of obstetrics and gynaecology trainees is insufficient. Our results highlight the need to test and improve anatomy knowledge during postgraduate obstetrics and gynaecology training. **Funding:** None. **Keywords:** anatomy knowledge, progress testing, obstetrics and gynaecology, postgraduate training

Hosted file

Main document_no figure.docx available at <https://authorea.com/users/463160/articles/708799-time-for-a-revival-of-anatomy-education-in-postgraduate-obstetrics-and-gynaecology-training-a-longitudinal-analysis-of-anatomy-knowledge>

Hosted file

Figure 1.docx available at <https://authorea.com/users/463160/articles/708799-time-for-a-revival-of-anatomy-education-in-postgraduate-obstetrics-and-gynaecology-training-a-longitudinal-analysis-of-anatomy-knowledge>