

## 3<sup>rd</sup> International Anatomical and Biomedical Scientific Conference (IABS) 2022

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### ABSTRACT

Department of Human Anatomy, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, partnered with Universitas Brawijaya, Indonesia to host the virtual 3<sup>rd</sup> International Anatomical and Biomedical Scientific Conference (IABS) 2022 on 22<sup>nd</sup> – 24<sup>th</sup> November 2022. With the theme 'Rejuvenating health sciences towards inclusive and sustainable ecosystem', this platform is one of the best avenues that cultivates sharing and exchanging scientific endeavours among scientists, clinicians, postgraduate students and academicians involved in the field of anatomy, health sciences and relevant disciplines. The goal of the Special Issue is to revitalise the body of knowledge in health sciences to enhance and offer a sustainable and inclusive ecosystem now that the COVID-19 pandemic has transitioned to the endemic stage globally. Submissions that conceptually, experimentally, or theoretically analyse and explain some of the major problems with achieving the objectives. In light of this, this Special Issue of the conference proceedings aims to integrate practitioner and academic viewpoints. This special issue, in particular, can advance the theory and synthesis of the selected topic. Additionally, it can present fresh findings from experiments, drawing attention to the effectiveness of techniques now employed by subject-matter experts.

**Keywords:** *Anatomy; biomedical sciences; neuroscience; natural products; non-communicable diseases*

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## ABSTRACTS

All presented abstracts are listed from Page 3 to 74.

# Elements of effective anatomy teaching from the perspective of medical students

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## Abstract

Previous research shows that effective anatomy teaching depends on several factors including the teaching approaches and lecturers' behaviour. However, evidence is scarce on effective teaching in anatomical sciences education. Therefore, this study aims to identify the elements of effective anatomy teaching from the perspective of medical students. A qualitative study was conducted by using a focus group discussion involving 52 medical students from one public medical school in Malaysia. The interview data were transcribed, converted into electronic format, and analysed using thematic analysis via the ATLAS.ti software. The analysis produced three themes, namely: (1) lecturer's attributes and behaviour; (2) teaching approaches and strategies; and (3) teaching support. Each theme overlies several sub-themes that reflect a considerable number of effective teaching elements. In general, there are thirteen effective teaching elements generated, namely, (1) experience teacher; (2) self-confidence; (3) passionate teaching (4) teaching effort; (5) teachers' character; (6) integrating different approach; (7) group activity task; (8) good lecturing strategies and techniques; (9) teaching and learning through visual modalities; (10) intraclass activity; (11) teaching tools and facilities; and (12) supplementary teaching session; and (13) online related learning. The findings of this study serve as a foundation for producing effective teaching guidelines that can enhance anatomy teaching in the future.

**Keywords:** *Elements of effective teaching; focus group discussion; thematic analysis; anatomy teaching and teacher behaviour*

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