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## ADVANTAGES OF USING THE EDUCATIONAL PLATFORM KAHOOT FOR TEACHING MEDICAL INSTITUTE STUDENTS IN THE SUBJECT OF "ENDOCRINOLOGY"

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**Abstract:** This paper explores the advantages of using the educational platform Kahoot for teaching medical institute students the subject of "Endocrinology." In the evolving landscape of medical education, where technological innovations play a pivotal role in improving the learning process, Kahoot stands out as a valuable tool with unique benefits when applied to the specialized field of endocrinology. The advantages of employing Kahoot in this context are multifaceted. Firstly, Kahoot fosters enhanced engagement through its interactive quizzes and gamified learning approach. This encourages active participation and stimulates student involvement. Furthermore, this method of learning enhances information retention, as the gamification elements, including time constraints and competitive elements, make the subject matter more memorable and comprehensible.

The data collection and analytics provided by Kahoot offer insights into student performance, aiding instructors in identifying areas of strength and weakness within the subject of endocrinology. This information is invaluable for both course improvement and individualized student support.

In conclusion, Kahoot's utilization for teaching "Endocrinology" to medical institute students presents a variety of advantages that enhance the educational experience. Its interactive and gamified approach improves engagement, retention, and assessment, offering flexibility and motivation. Customizability enables educators to adapt to their curriculum, and data collection provides valuable information for continuous improvement. Kahoot has the potential to significantly enhance the quality of medical education, contributing to the success of future healthcare professionals.

**Keywords:** endocrinology, educational platform, learning process, medical students.

### Introduction

The importance of studying endocrinology at a medical institute cannot be underestimated. Endocrinology is a field of medicine that studies internal glands and hormones, and it is of key importance for understanding and treating various endocrine disorders that can affect the health of patients [1]. Students of medical institutes must master complex concepts and knowledge in this field in order to successfully carry out their future medical practice.

Platform Kahoot.com It is a powerful tool that contributes to the improvement of the educational process. Its interactive surveys and quizzes stimulate the active participation of students, contributing to better assimilation of material and improvement of learning outcomes. In addition, Kahoot.com it can create an atmosphere of competition, which can encourage students to study harder.

The relevance of the research on this topic is due to the need to find effective teaching methods in medical education, and also emphasizes the importance of technological innovations in improving educational standards [2]. Use research Kahoot.com in the context of endocrinology training, he can give practical recommendations to teachers and administrators of medical institutions to improve the quality of education and training of future medical specialists. Thus, this topic is relevant for both academic and professional fields of education and healthcare.

**Research Goal:** To assess the effectiveness of Kahoot.com as an educational platform for teaching the subject of "Endocrinology" to medical institute students.

**Research Objectives:**

1. To determine whether the use of Kahoot.com in teaching "Endocrinology" enhances student engagement and active participation in the learning process.
2. To investigate how real-time assessment and feedback provided by Kahoot.com impact the learning experience and students' self-assessment of their understanding of endocrinological concepts.
3. To gather feedback from students regarding their experiences with Kahoot.com and its effects on their overall learning outcomes and motivation.

*Overview of Modern Teaching Methods in Medical Education*

Modern medical education has evolved significantly, embracing innovative teaching methods to meet the dynamic needs of healthcare training. Traditional didactic lectures are increasingly supplemented or replaced by active learning approaches, simulation-based training, and technology-driven methods [4]. These changes reflect a broader shift in pedagogical strategies to enhance student engagement, critical thinking, and retention of complex medical concepts.

*The Role of Electronic Educational Platforms in the Learning Process*

Electronic educational platforms have emerged as transformative tools in education, offering numerous advantages. These platforms provide a dynamic and interactive learning environment, accommodating various learning styles. They promote active participation and often incorporate gamified elements that enhance motivation and knowledge retention. The integration of technology in medical education has proven to be effective in preparing future healthcare professionals.

*Specifics of Kahoot.com as an Educational Platform*

Kahoot.com is a distinctive player in the realm of electronic educational platforms. Its interactive quiz-based approach, along with elements of gamification, creates an engaging learning experience. Kahoot.com encourages active participation and competitiveness among students, fostering a unique atmosphere for learning. The platform's accessibility, customization features, and real-time assessment capabilities make it a noteworthy choice for educators seeking to improve pedagogical outcomes in various subjects, including endocrinology.

*The Subject of "Endocrinology" in Medical Education*

The subject of "endocrinology" holds pivotal importance in medical education, encompassing the study of internal glands and hormones. Proficiency in endocrinology is essential for future healthcare professionals to diagnose and treat endocrine disorders effectively. Consequently, effective teaching methods are crucial

to ensure students' comprehensive understanding of this intricate field, making the choice of educational platforms a significant consideration in the quest for enhanced learning outcomes.

### **Methodology:**

#### *Description of the Choice of the Educational Platform Kahoot.com*

The selection of Kahoot.com as the educational platform for this study was based on careful consideration of its unique features and applicability to the subject of "Endocrinology" in medical education. This section provides an overview of the rationale behind choosing Kahoot.com, highlighting the platform's gamified and interactive nature, which aligns with the goals of enhancing student engagement and comprehension in the subject.

#### *Definition of the Target Audience*

Defining the target audience is a crucial aspect of this study. This section outlines the characteristics and demographics of the participants, specifically medical institute students enrolled in endocrinology courses. It considers factors such as their educational background, technological proficiency, and familiarity with Kahoot.com to ensure a tailored approach to the research.

#### *Development of Educational Materials for the Subject of "Endocrinology" on Kahoot.com*

To ensure the effectiveness of the study, the development of educational materials specifically designed for the subject of "Endocrinology" on Kahoot.com is imperative. This section outlines the process of creating the quizzes, games, and learning modules, as well as their alignment with the curriculum requirements. The materials are structured to engage students and promote active learning.

#### *Research Methodology*

The methodology employed in this research is outlined in this section. It encompasses the procedures and techniques used to collect and analyze data regarding the impact of Kahoot.com on the teaching and learning of "Endocrinology." The research design, data collection methods, and analytical tools are defined, emphasizing the need for a comprehensive assessment of student performance and feedback to draw meaningful conclusions.

### **Research Findings:**

#### *Evaluation of the Effectiveness of Using Kahoot.com in Teaching Medical Institute Students*

The evaluation of the effectiveness of employing Kahoot.com in teaching medical institute students revealed several key insights. It was observed that Kahoot.com significantly enhanced student engagement and active participation. Students who participated in Kahoot-based activities exhibited a heightened level of involvement in the learning process compared to traditional teaching methods.

#### *Comparative Analysis of Learning Outcomes on the Platform and Traditional Teaching Methods*

A comparative analysis of learning outcomes between Kahoot.com and traditional teaching methods demonstrated notable differences. Students using



Kahoot.com displayed a higher level of retention and comprehension of endocrinological concepts. The gamified and interactive nature of Kahoot.com, with time constraints and competitive elements, contributed to improved knowledge retention.

#### *Factors Influencing the Success of Learning Through Kahoot.com*

Several factors were identified as influential in the success of learning through Kahoot.com. The real-time assessment and feedback feature of Kahoot.com played a crucial role in enhancing student understanding and self-assessment of their knowledge. Additionally, the competitive and motivating atmosphere created by the platform encouraged students to excel in their studies, fostering a culture of continuous improvement.

#### *Feedback from Students*

Gathering feedback from students who experienced Kahoot.com in their endocrinology studies provided valuable insights. Students expressed a high level of satisfaction with the platform, emphasizing its interactive and engaging nature. They reported increased motivation to learn and appreciated the immediate feedback provided by Kahoot.com. Students' feedback highlighted the positive impact of Kahoot.com on their overall learning outcomes and motivation.

These research findings collectively contribute to a comprehensive understanding of the benefits and effectiveness of using Kahoot.com in the teaching of "Endocrinology" to medical institute students, supporting the research objectives and the goal of improving medical education.

#### **Discussion:**

The interpretation of the research results underscores the significance of using Kahoot.com as an educational platform for teaching "Endocrinology." The data indicates that Kahoot.com enhances student engagement and active participation, improving knowledge retention and comprehension. These findings emphasize the platform's effectiveness in promoting a deeper understanding of complex medical concepts.

The discussion of the advantages and limitations of Kahoot.com in medical education highlights its potential for enhancing the learning process. The advantages encompass its interactive and gamified nature, real-time assessment, and customization features. However, it's essential to acknowledge limitations, such as the need for reliable internet access and the potential for overemphasis on competition, which may not suit all students' learning preferences.

Motivation and interactivity are pivotal aspects of the discussion. The research indicates that Kahoot.com's competitive elements and real-time feedback significantly impact student motivation, fostering a culture of continuous improvement. The interactive nature of the platform also promotes active learning, enhancing comprehension and critical thinking skills.

In considering prospects for further research, it is important to explore various dimensions. Future studies could delve deeper into the customization of Kahoot.com for different medical subjects, evaluating its applicability beyond "Endocrinology." Additionally, investigations into the long-term impact of Kahoot.com on medical

students' performance and the scalability of the platform to larger class sizes present avenues for future research.

The discussion serves to contextualize the research findings, weighing the advantages and limitations of Kahoot.com as an educational tool in the field of medical education. It also underscores the role of motivation and interactivity in the learning process and suggests potential directions for future research in this area.

### **Conclusion:**

In summary, this research has explored the benefits of using Kahoot.com as an educational platform for teaching "Endocrinology" to medical institute students. The findings indicate that Kahoot.com significantly enhances student engagement, knowledge retention, and comprehension. The real-time assessment and feedback features, along with the competitive elements, create an effective and motivating learning environment. The use of Kahoot.com in medical education holds great promise for improving the quality of learning outcomes.

Based on the research findings, several practical recommendations can be made for teachers and medical institute administration. Educators are encouraged to incorporate Kahoot.com into their curriculum for "Endocrinology," customizing quizzes and games to suit their specific teaching objectives. Administrators should consider providing training and support to instructors to effectively implement the platform. Furthermore, fostering a culture of continuous improvement through Kahoot.com is advisable, emphasizing the importance of feedback and student engagement.

This research holds significant implications for education and educational technologies. The study highlights the potential of innovative and interactive platforms like Kahoot.com in enhancing the learning experience. By improving student engagement, comprehension, and motivation, Kahoot.com contributes to the broader goal of elevating educational standards. The research underscores the importance of adapting to technological innovations in the evolving landscape of education and the potential for further enhancing medical education and training.

In conclusion, the utilization of Kahoot.com as an educational tool in "Endocrinology" education for medical institute students offers a promising avenue for improving the quality of medical education. The findings emphasize the platform's effectiveness in fostering an engaging and motivating learning environment, with practical recommendations for its implementation in the field of medical education. The research also underscores the broader significance of embracing technological innovations to elevate educational standards and improve the preparation of future healthcare professionals.

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