MICRO-LEARNING USING TELEGRAM BOTS- AdEII©

PROTECTION

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BACKGROUND

Therapeutic adherence in patients with Inflammatory Bowel Disease (IBD) represents a key challenge in clinical management, treatment success, and the improvement of patients' quality of life. The effectiveness of treatments largely depends on the patient's active involvement in their own care.
The complexity of the disease and the need for continuous follow-up require educational strategies that facilitate access to information and encourage patient engagement with their treatment. In this context, microlearning emerges as an appropriate methodology to offer brief, specific, and easily accessible content tailored to the needs and pace of the patients. However, the implementation of technological solutions that effectively and accessibly integrate this methodology remains a challenge.

The challenge for researchers in this field is to develop educational tools that improve therapeutic adherence through personalized, accessible, and motivating learning experiences for patients with IBD.

ACHIEVEMENTS AND RESULTS

As a solution to the identified need to improve therapeutic adherence in patients with Inflammatory Bowel Disease (IBD), AdEII© has been developed, a microlearning-based educational strategy specifically designed for this patient group.

This technological solution organizes the courses into micro-contents associated with keywords, facilitating agile, personalized learning tailored to the needs of each patient.

The implemented technology consists of two main modules: a back-end developed with the Django framework, responsible for managing and sequencing the contents, and a front-end based on the Telegram API, which allows patients to easily access the educational content through the aprendeii_bot. Currently, AdEII© is in the validation phase among patients, who can access the tool and training materials via a QR code provided by the research team.

PURPOSES AND ADVANTAGES

The **main advantages** of this technology are:

- It facilitates learning through brief and specific content, adapted to the patient's pace and needs.
- It allows easy and flexible access via a Telegram bot, a widely used platform.
- It improves therapeutic adherence by offering personalized and motivating training.
- It is a scalable and easily updatable technological solution.
- It promotes patient autonomy and active involvement in managing their disease.

COLLABORATION OFFER

This offer can be formalized through a "Partnership Agreement" for the co-development of this technology or a "License Agreement" for the direct use of the proposed technology. If you are interested in this offer or need more information, please contact us.

CONTACT INFORMATION

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