DIGITAL GUIDE FOR MEDICATION ADMINISTRATION VIA FEEDING TUBE – Medisonda©

PROTECTION

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BACKGROUND

The **administration of medications via enteral** feeding tubes is a common practice in patients who are unable to take drugs orally, but it presents numerous challenges for healthcare professionals.

Proper preparation and administration of medications are essential to ensure treatment efficacy and to prevent complications such as tube blockages, drug interactions, or loss of effectiveness. However, information on how to administer each drug via feeding tube—taking into account the route of access (gastric or intestinal) and the pharmaceutical form—is often scattered or not readily accessible in daily clinical practice. This situation can lead to errors, delays, and uncertainty in patient care. Therefore, there is a growing need for practical and reliable tools that provide quick access to clear and up-to-date recommendations on the safe administration of medications via enteral feeding tubes.

ACHIEVEMENTS AND RESULTS

Medisonda© has been developed a digital guide in app format aimed at healthcare professionals. This interactive guide compiles, reviews, and references information endorsed by pharmacists from the Pharmacy Service of the Integrated Management Department of Vigo and the Clinical Nutrition Group of the Spanish Society of Hospital Pharmacy (SEFH).

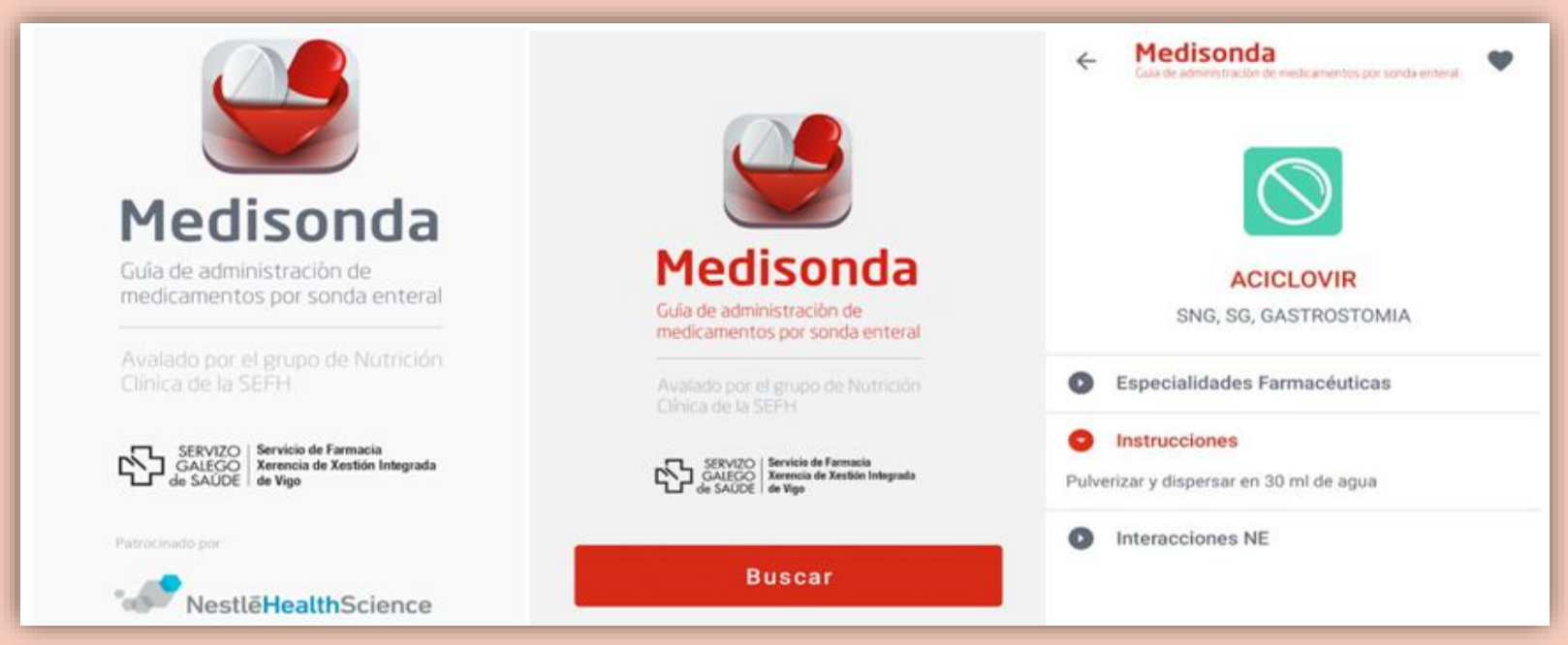
Medisonda© **provides specific recommendations on medication administration via feeding tubes**, distinguishing between gastric and intestinal routes, and details the steps for preparation, administration, and tube cleaning. Additionally, it highlights precautions and potential complications, and includes information on drug interactions.

The app, which is implemented by SERGAS and is available on the main download platforms (Android and iOS), facilitates rapid and secure access to information, optimizing the work of healthcare personnel and improving patient safety.

PURPOSES AND ADVANTAGES

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

- **Safety**: Reduces the risk of errors and complications in the administration of medications via feeding tubes.
- **Efficiency**: Optimizes the time and effort of healthcare professionals by providing clear and accessible information at any time.
- **Up-to-date Knowledge**: Offers practical recommendations and the latest information from pharmacy service experts and scientific professionals.
- **Ease of Use**: Ensures quick and simple access from any mobile device.
- **Comprehensive Support**: Details the steps, precautions, and considerations for each type of medication and route of administration, enhancing the quality of care and user confidence.



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