

Hazardous Drug Enteral Device

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Hospital Pharmacy 5.0

THE FUTURE OF PATIENT CARE



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Production and Compounding

What was done?

We developed a **new medical** device to protect healthcare professionals and caregivers from exposure risk derived from **crushing** and dispersing in water **hazardous drugs tablets**.

Why was it done?

NIOSH List of Antineoplastic and Other Hazardous Drugs in Healthcare Settings established that **crushing tablets** or making solutions from them means an **unacceptable risk at hospitals**.

USP 800 and Directive 2004/37/EC of the European Parliament on the protection of workers from the risks related to exposure to carcinogens or mutagens at work, impose the use of **closed system devices and a plastic pouch to contain any dust or particles generated** in these operations.

There is no closed system device to crush, disperse and administer safely hazardous drug via enteral.

What has been achieved?

We **patented** a new **closed system medical device** that will allow a safe administration by avoiding exposure risk and environmental pollution at: pharmacy departments (cross contamination in cabinets), nursery units and even at patient's homes to protect caregivers and relatives.

Its design and simplicity of operation will favor its universalization. This is an initiative of a hospital pharmacist to solve a daily problem and an example of our potential in **healthcare innovation**.

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How was it done?

We designed a new medical device by combining existing issues to develop a **workable solution** that could solve this **safety problem**, ensure the compliance with **occupational regulations**, and warrant a **complete dosage**.

What next?

The commercialization of this medical device will fulfill an unmet need in our daily practice at healthcare facilities and **patients homes**.



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