

“HAZARDOUS DRUG, COLOR MARKS THE DIFFERENCE”

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BACKGROUND

Hazardous Drugs (MPs) are defined as the drugs that cause carcinogenicity, teratogenicity, reproductive toxicity, low-dose organ toxicity, genotoxicity, and new drugs with structure profiles and toxicity similar to existing drugs that were determined to be hazardous according to the above criteria. Because of their toxicity profile, preventive measures should be taken for their preparation and administration.

PURPOSE


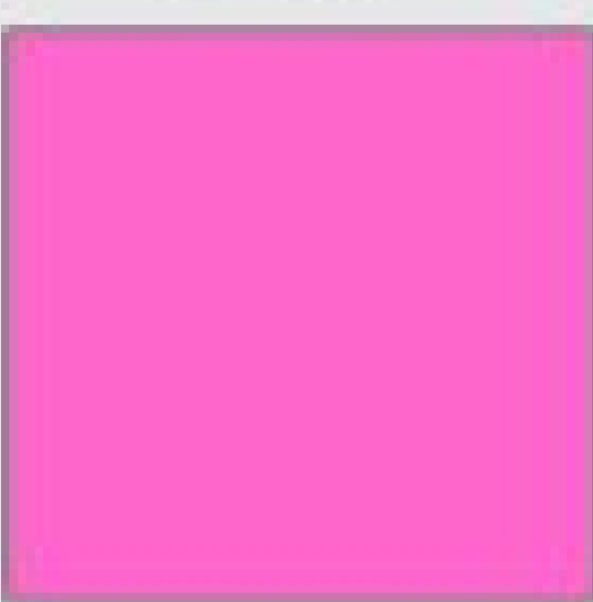

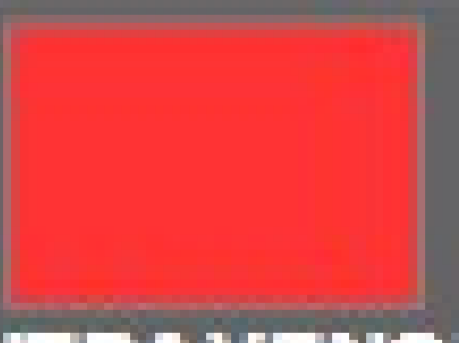
Design a color code to standardize the measures that health professionals must adopt in the elaboration and administration of MPs.

MATERIAL AND METHODS

The drugs included in the NIOSH list were analyzed and it was established color code according to precautions to be taken during handling (preparation and administration).

RESULTS

Table 2. Color code based on the specific management recommendations during the preparation and administration of the MP

COLOUR	RECOMMENDATIONS (Meeting the safety rule)
 ORAL SOLID FORM	<p><u>Preparation</u>¹: No preparation required. <u>Administration</u>: Single gloves. No splitting or crushing. If it is necessary to split or crush the dose: - It would be of choice to use liquid oral formulations (consult with the Pharmacy Unit). - If no liquid oral formulation available, splitting will be done at the Pharmacy Unit, in a Class II B2 BSC with double gloves, lab coat / overalls and mask.</p>
	<h2 style="text-align: center;">GROUP 3 OF THE NIOSH LIST</h2>
 LIQUID ORAL FORM AND TOPIC FORM	<p><u>Preparation</u>: In the Pharmacy Unit, in Class II B2 BSC with double gloves, lab coat and mask. In the exceptional case in which it is not possible to prepare in Class II B2 BSC, use double gloves, lab coat, eye protection (goggles) and respiratory protection (mask). <u>Administration</u>: Double gloves and lab coat; in case of risk of splashing, accidental disconnection of the system, administration through catheter, or patient who does not collaborate, use eye protection (goggles) and respiratory protection (mask).</p>
 INTRAVENOUS FORM	<p><u>Preparation</u>: At the Pharmacy Unit in Class II B2 BSC with closed systems for preparation and administration. Double gloves, protective lab coat (preferable overalls) and masks. If not possible to prepare in Class II B2 BSC, use eye protection (goggles) and respiratory protection (mask). <u>Administration</u>: Closed systems of administration, double gloves, lab coat / overalls, and eye protection (if risk of splashing) and mask (if risk of inhalation).</p>

CONCLUSION

The classification based on the pharmaceutical form and group of the NIOSH list supposes a novelty FOR the handling of MPs in the health personnel. This classification try to establish a regulation to standardize color code in hospitals.