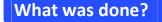


PHARMACY RESIDENTS IN THE INTENSIVE CARE UNIT: EDUCATION AND TRAINING.

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STANDARDIZED MEDICATION AUDIT TOOL

ensure uniform pharmaceutical care delivery aligned with the Hospital Pharmacy Specialty training program. Helps in the training process of pharmacy residents

Why was it done?

The **four-year specialist training** program for Hospital Pharmacy in Spain includes:



residents develop clinical skills

WHY

ICU?

Through **medical units** where

essential component of clinical proficiency and integration into the healthcare team.

presence of a pharmacist during rounds as a full member of the care team has been **associated with a I** rate of adverse drug events.

How was it done?

Multidisciplinary team identified the most common clinical problem

- Specific outstanding problems in particular patient types.
- Specific efficacy and safety indicators for each clinical problem.

Pharmacotherapeutic recommendations clinical evidence or internal protocols.

Variables: biodemographic and clinical data. analytical parameters and clinical issues.

| DATA: NAME: | | nostic/Relevant medical history: ent medication: |
|----------------------------|--|---|
| Nutritional support | Type of nutrition (protein/lipids/carbohydrates) Weigh, nutrition via (enteral/parenteral) Biochemical parameters: electrolytes, prealbumin, albumin, triglycerides. Renal and hepatic function: creatinine, BUN, urea, GOT, GPT, phosphatase, GGT. | |
| Thromboembolic prophylaxis | Type (mechanical, pharmacological), Initiation, Bleeding risk, Platelet count | |
| Glycemic control | Glycemia, Insulin requirements | |
| Hemodynamic monitoring | Arterial tension Cardiac frequency | |
| Pain management | Pain scale punctuation, Adverse drug reactions (ADR) | |
| Infection management | Current antibiotic (prophylaxis, empirical) Therapy adequacy: pathogen Isolated, resistances Signs: temperature, shivering Standardized | |
| Mechanical ventilation | Current sedative and analgesic therapy Sedation scale, ADR | medication audit tool |
| Therapy monitoring | Drugs (therapeutic range), plasma level ADR, Drug-drug interactions | pharmaceutical interventions |

Table 1. Pharmacotherapeutic monitoring chart (adaptation)

What has been achieved?

→Establish homogeneous standards for pharmaceutical care that optimizing pharmacotherapy outcomes in patients.

→Facilitates the assessment of residents' skill acquisition during their training

→ Promoting **consistency** among the entire care team.

What's next?

- Assessing the tool's usefulness and its impact on residents' training benefits will be of interest.
- Moreover, it may serve as a reference model for other clinical rotations.
- Integration of CHART into computer tools used in daily clinical practice.

