

THE INFORMATION TO PARENTS ABOUT PEDIATRIC HOSPITAL- PRODUCED PREPARATIONS

Francesca Rossi, Vanna Golinelli

U.O: Programma farmaco, Ausl Ravenna - Viale Masi 8 Ospedale civile Umberto I di Lugo (Ra)_Italy

Background

The galenic laboratory of hospital pharmacy of Ravenna produces pediatric galenic preparations in response to the lack of preparations for children on the market. In 90% of cases the galenic preparations are for patients at home who often don't have the necessary informations about the drug.

Purpose

The aim is the elaboration of informative summaries of galenic preparations that provide detailed information, similar to the instruction leaflet accompanying the medicinal products to be made available to parents of young patients. With this work we tried to improve patient compliance and to provide information for the correct use of the drug, its conservation, interactions and possible warnings.

Materials and Methods

Informative summaries have been compiled with the help of the technical specifications of drugs and raw materials, BNF for Children, biomedical literature from Medline, Medicamenta and they contain information related to: composition, therapeutic class, as it presents, validity, conservation, therapeutic indications, how to take it, warnings, and possible adverse reactions. The documents are in a simple and smooth language in order to facilitate the understanding by all patients' parents who are sometimes foreigners.

Results

52 informative summaries were made about the active ingredients, in different pharmaceutical forms, required in 757 pediatric prescriptions submitted to the laboratory from July 2009 to May 2011. Then telephone interviews were conducted with some of the patients' parents in order to evaluate the usefulness of this work and it is been revealed that the information most appreciated are those regarding the conservation of the drug, the assumption, and, in particular, the interactions with no-prescription medicines.

Informative summary of drug

CAPTOPRIL 1mg/ml aqueous solution

Composition

Active: Captopril (pure powder)
Excipients: ascorbic acid, purified water.

Therapeutic class

ATC: C09AA01 Agent acting on the renin-angiotensin system.

As it presents

Clear solution with weak characteristic sulfurous odor.

Validity

Fifteen days when stored at room temperature below 25°C, one month when stored in a refrigerator at 2-8 °C. Do not use beyond the expiration date.

Conservation

Protected from light, below 25 °C or in the refrigerator with the bottle tightly closed.

Therapeutic indications

Primary or secondary hypertension, congestive heart failure.

Warnings

Shake before use.

Inform your doctor if you are taking other medicines, especially other diuretics, probenecid, morphine, NSAIDs, lithium, immunosuppressive drugs.

How to take

Take medicine on an empty stomach, one hour before the meals or 2-3 hours after the meal. Using a syringe, take the volume of liquid corresponding to the dose of medication to be taken and proceed with oral somministration.

Take the first dose in the evening for the risk of hypotension.

Possible adverse reactions

Fever
Headaches, dizziness
Alteration of taste
Sensitivity to light
Malaise, muscle pain, joint pain
Dry and annoying cough
Swelling of the nose, lips, tongue, throat, bronchospasm, sinusitis, rhinitis, sore throat
Hypotension, tachycardia, postural hypotension
Nausea, vomiting, watery diarrhea, abdominal pain, constipation
Itching, rash, urticaria

Inform your doctor if adverse reactions arise.

ACTIVE PRESCRIBED

ATC

Omeprazole	A02 Drugs for acid related disorders
Pancrelipase	A09 Digestives, including enzymes
Pyridoxine, Riboflavin	A11 Vitamins
Zinc Sulfate	A12 Mineral supplements
Lysine Acetylsalicylate, Acetylsalicylic Acid, Dipyridamole	B01 Antithrombotic agents
Sodium bicarbonate	B05 Blood substitutes and perfusion solution
Flecainide	C01 Cardiac therapy
Amiloride/Hydrochlorot., Hydrochlorot./ Spironolac., Spironolactone	C03 Diuretics
Atenolol, Carvedilol, Metoprolol, Nadolol, Propranolol	C07 Beta blocking agents
Amlodipine	C08 Calcium channel blockers
Captopril, Enalapril	C09 Agents acting on the renin-angiotensin system
Metronidazole	G01 Gynecological antiinfectives and antiseptics
Sildenafil	G04 Urologicals
Hydrocortisone	H02 Corticosteroids for systemic use
Levothyroxine, Thiamazole	H03 Thyroid therapy
Nitrofurantoin, Spiramycin, Sulfadiazine	J01 Antibacterials for systemic use
Pyrazinamide	J02 Antimycotics for systemic use
Isoniazid	J04 Antimycobacterials
Hydroxycarbamide	L01 Antineoplastic agents
Ciclosporin, Mycophenolate mofetil, Tacrolimus	L04 Immunosuppressants
Indometacin, Naproxen	M01 Antiinflammatory and antirheumatic products
Phenytoin, Topiramate	N03 Antiepileptics
Clobazam, Midazolam	N05 Psycholeptics
Quinine Sulfate, Pyrimethamine	P01 Antiprotozoals
Salbutamol	R03 Drugs for obstructive airway diseases
Citrulline, Chloral hydr., Coenzyme Q10, Creatine, Sodium benzoate	V03 All other therapeutic products

Conclusion

The Galenic represents a concrete response to the lack of pediatric medicines on the market and hospital pharmacist plays an important role in ensuring the patient full and reliable information.