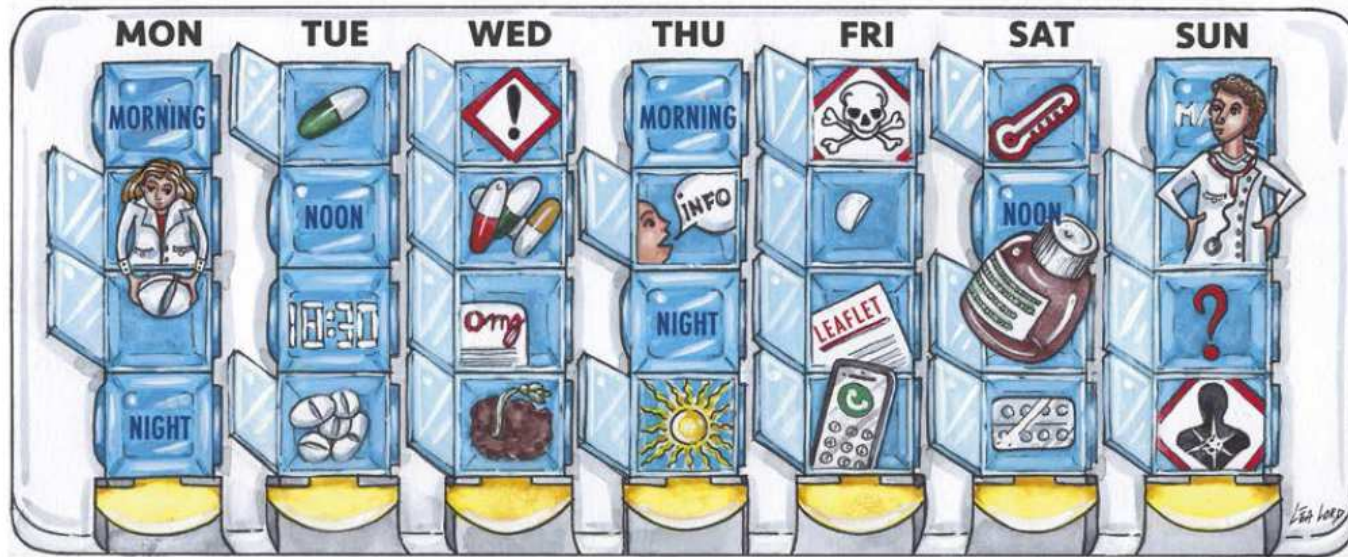


Prescrire's approach to labeling, packaging and naming related errors



Dr Étienne Schmitt

Prescrire Editorial staff member
Head of *Prescrire* Programme Éviter
l'Évitable (Preventing the Preventable)

Prescrire's analysis and risk assessment of packaging

- ❑ ***Prescrire's* approach to choosing medicines**
- ❑ **Packaging-related errors reported by *Prescrire***
- ❑ ***Prescrire's* analysis of packaging: know how (quick reference)**
- ❑ **Findings from *Prescrire's* packaging analysis**

***Prescribe*'s approach to choosing medicines**




**wisely
patient'
interest first
independently**

Prescrire Editorial Staff: no conflicts of interest

Prescrire's editors
are healthcare professionals
free from conflicts of interest

Prescrire's organisation
is structured so as to be
free of any influence from
pharmaceutical companies
or healthcare institutions

Prescrire's purpose is
« to work, in all independence,
in favour of quality healthcare,
first and foremost in the
interest of patients »



**The "NON MERCI..."
CHARTER 2019**

The signatories of this Charter wish to ensure that the work and the decisions of health professionals are based solely upon patients' best interests.

We are aware that health care delivery, teaching and research are all activities that can be subject to influences inconsistent with independence and with professional ethics, including:

- economic and financial pressures from companies doing business in the health care arena, through direct and indirect promotional campaigns targeting patients and health professionals, through the funding of information resources and initial or continuing education, and through pressure on the public authorities;
- economic, political and financial pressures from national or supranational organisations responsible for drafting or implementing regulations or for managing preventive, diagnostic and treatment resources;
- the personal interests of the professionals themselves.

We are aware that patients, too, can be influenced by direct or indirect appeals, biased information and self-serving assistance programmes, including:



- corporate funding of patient groups;
- dissemination of unsubstantiated information, or even corporate promotional material, by the mass media, opinion leaders, etc.;
- organisation of so-called health awareness campaigns by corporate sponsors.

The signatories of this Charter pledge to work in favour of quality care and:

- to refrain from holding any direct interest contrary to this aim, particularly as regards companies doing business in the health care arena;
- to turn down, whether on their own behalf or on behalf of any professional bodies in which they are active, any benefits in kind, gifts or subsidies from companies doing business in the health care arena, or from other organisations likely to pursue their own interests rather than those of patients;
- to adopt a critical attitude toward corporate promotional activities (advertising, sales reps' visits, opinion leaders), in order to set aside such information, or at least to compare it with independent sources of information;
- to choose instead independent sources of information, and to favour comparative information;
- to choose, whenever possible, initial and continuing education programmes that are free from any type of support from companies doing business in the health care arena, or from any other organisations likely to pursue interests other than those of patients;
- to provide patients with information from reliable, quality sources, in order to share decision-making with them on the basis of dependable information.

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Last Name: SCHMITT First Name: Etienne Date: 31/03/2019

Signature:  

ASSOCIATION DES MÉDECINS PRESCRIPTEURS
85, bd Voltaire - 75008 PARIS CEDEX 11 - Tél : (33) (0)1 49 23 72 00 - Fax : (33) (0)1 47 00 35 25
Courriel : amp@prescrire.org - Site internet : www.prescrire.org

Prescrire's criteria for evaluating drugs



Prescrire evaluates new drugs' potential therapeutic advance, based on their harm-benefit balance

- 1. Efficacy**
- 2. Adverse Reactions**
- 3. Convenience of use**

an important component of a drug's harm-benefit balance

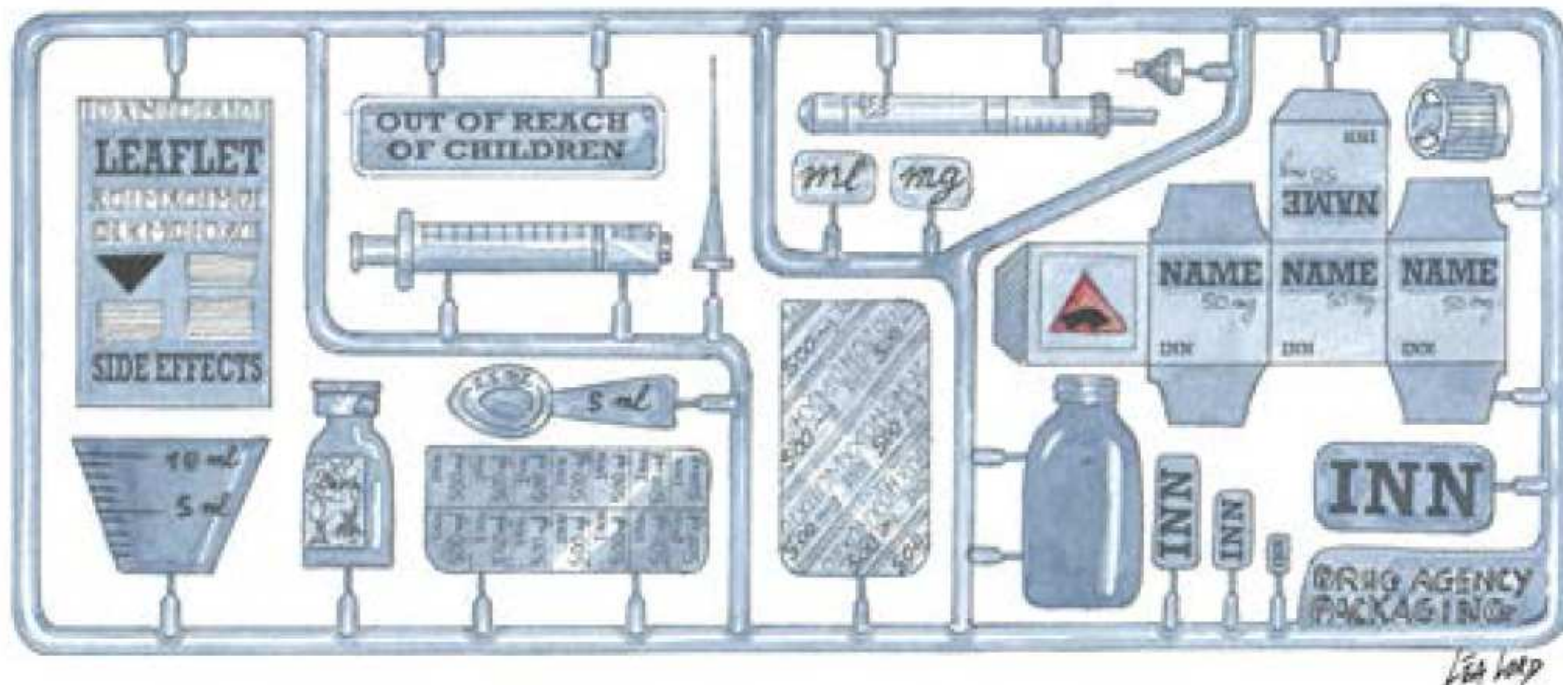
What are the functions of drug packaging?

- ❑ **The drug's box: 1st first source of information**
active substances in the drug, using their international nonproprietary name (INN), their dose strength, and how it is administered and stored
- ❑ **Useful tools inside the box**
 - immediate packaging protect drug from knocks, light, temperature variations, contamination
 - safety devices: safety caps or childproof blisters
 - dosing device designed to prepare doses with appropriate accuracy
 - package leaflet help prevent preparation errors and to provide information about the drug's adverse effects, interactions and storage conditions.

What are the features of a safe packaging?

- ☐ The drug is ready to use
- ☐ Each dose is individually packaged and labelled
- ☐ The international nonproprietary name (INN) of each active ingredient is prominently displayed on the box and primary packaging (i.e. blister pack, bottle, sachet, etc.)
- ☐ Other information useful for preventing harm is clearly legible: dose strength, route of administration, storage conditions
- ☐ The dosing device is appropriate and accurate
- ☐ The drug can be easily distinguished from other drugs within the same product line
- ☐ The patient leaflet is clear, legible and informative, especially with regard to risks
- ☐ Child-proofing measures are taken to prevent accidental ingestion by children.

Packaging-related errors reported by Prescribe



High-strength insulins unnecessary conversions

Humalog Kwikpen® 200 UI/ml

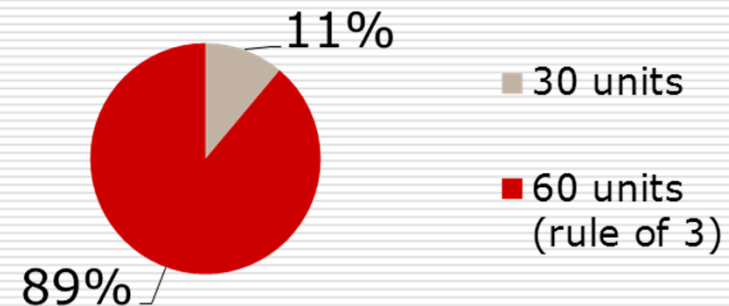


Humalog Kwikpen® 100 UI/ml

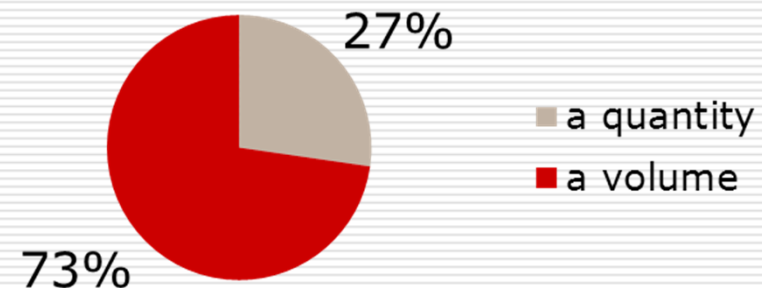


- In a hospital setting, a pharmacist offered a nurse insulin lispro Humalog Kwikpen 100 units / ml instead of Humalog Kwikpen 200 units / ml, not available in the hospital. She reacted to this replacement: *"but I will have to put 100 IU to have the 50 IU prescribed, since it is less concentrated"*. Explanations within the healthcare team with pharmacists helped to prevent an error. A survey was then conducted in care units to assess how this risk of error was managed in current practice.
- In community pharmacy, 2 dispensing errors with serious consequences were reported to the French Health Products Agency (ANSM). Insulin lispro Humalog® 200 units/ml was dispensed instead of Humalog® 100 units/ml, and the patients were mistakenly advised to halve the doses, resulting in hyperglycaemia.

30 units from a 200 units/ml pen?
(100 units/ml pen only available)



units, but what's?

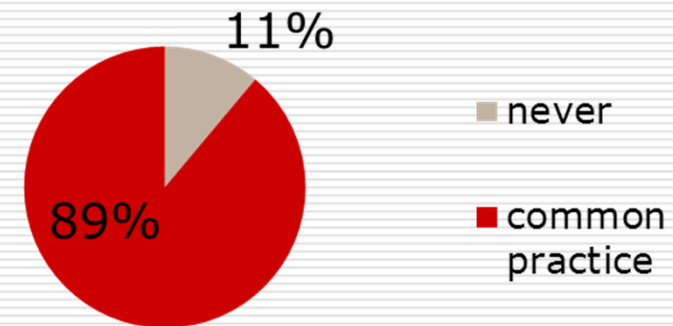


Prescrire Rédaction "Insulines concentrées : penser et agir en unités d'insuline pour éviter les erreurs" *Rev Prescrire* 2018 ; **38** (420) : 752-754.

High-strength insulins withdrawn from pens with syringes

- ❑ A risk identified by the ISMP and the NHS, leading further to an EMA PRAC recommendation on May 2017
- ❑ Bypassing the dose counter is a misuse of insulin pens:
 - sometimes as a consequence of a calculation error
 - demonstrating that pens do not prevent their use as multidose vials
- ❑ The insulin syringes available in France are only suitable for insulin at a strength of 100 units/ml, the only strength available in multidose vials.
- ❑ The use of such syringes with high-strength insulins (200 units/ml or 300 units/ml) carries a risk of administering a double or triple dose.

Using an insulin syringe to draw up solution from a pen?



Prescrire Rédaction "Insulines concentrées : penser et agir en unités d'insuline pour éviter les erreurs" *Rev Prescrire* 2018 ; **38** (420) : 752-754.

Deadly errors due to tramadol oral solutions

A 3-year-old child died of a tramadol overdose because a Doliprane[®] (paracetamol) pipette was used to prepare the dose. Other, sometimes fatal, tramadol overdoses have been reported in children, in particular due to confusion between the number of drops per dose and the number of drops per kg of the child's body weight.

Prescrire Editorial Staff "Tramadol: fatal overdoses in children" *Prescrire Int* 2017 ; **26** (179) : 44-45.



roxine) SERB (Rev Prescrire n° 389) • **Contramal**[®] Grünenthal and **Topalgic**[®] Sanofi Aventis, 100 mg/ml oral solutions (**tramadol**) (Rev Prescrire n° 397)

The dosing device supplied with the bottles of these drugs for dose preparation is a dropper, a device known to cause dosing errors, especially when a large number of drops must be counted. These solutions are highly concentrated, increasing the risk of an overdose or underdose if the drops are miscounted. Given that the adverse effects of *tramadol* are dose-dependent and *levothyroxine* has a narrow therapeutic index, it is particularly important to count the number of drops of these drugs accurately.



Paediatric oral liquid medication dosing errors by caregivers

Table 2 Reconstitution of bottles and dose preparation for Clamoxyl (amoxicillin) and Josacine (josamycin)

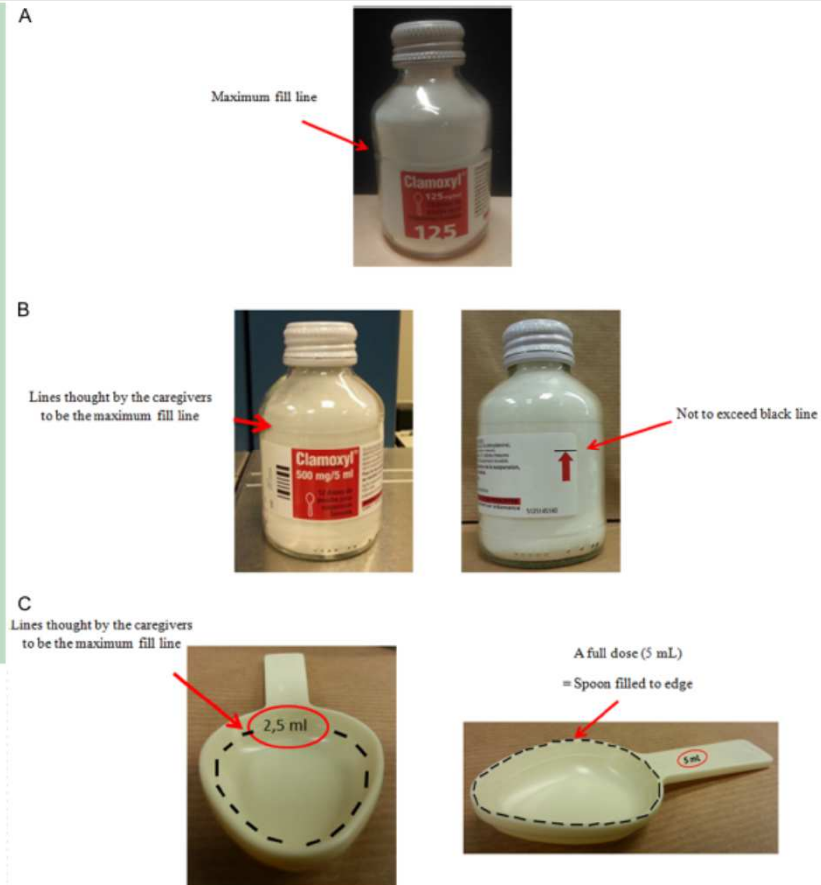
| | Clamoxyl N=50 | Josacine N=50 |
|--|------------------|------------------|
| Reconstitution of the oral liquid medication | | |
| Correct | 27 (54%) | 22 (44%) |
| Resulting in overdosing | 3 (6%) | 23 (46%) |
| Resulting in underdosing | 16 (32%) | 2 (4%) |
| Clumps* | 4 (8%) | 3 (6%) |
| Dose preparation | | |
| Resuspending | 10 (20%) | 10 (20%) |
| Correct preparation | 22 (44%) | 45 (90%) |
| Overdosing identified | 0 (0%) | 0 (0%) |
| Underdosing identified | 28 (56%) | 5 (10%) |

Results are shown as numbers and percentages.

*The presence of clumps may lead to either overdosing or underdosing.

Berthe-Aucejo A and coll. "Evaluation of frequency of paediatric oral liquid medication dosing errors by caregivers : amoxicillin and josamycin" *Arch Dis Child* 2016 ; **101** (4) : 359-364.

Presented in: *Prescrire Rédaction* "Formes buvables à reconstituer Clamoxyl® et Josacine® : erreurs fréquentes" *Rev Prescrire* 2016 ; **36** (396) : 746.



Colchicine: administration of a fatal overdose to a child

According to a case report with toxicological data published in France, a 4-year-old child weighing 16 kg was admitted to hospital for unexplained fever. Pericarditis was diagnosed and *colchicine* was prescribed at a dose of 0.5 mg per day for familial Mediterranean fever.

As a result of an unspecified “*failure in the monitoring of drug prescribing*”, “**mg per day**” was mistaken for “**mg per kg per day**”, which is a common way of expressing doses in paediatric prescribing. The child received a dose of 0.5 “mg per kg per day” (8 mg per day) for two consecutive days, and thus a total of 16 mg of *colchicine*. The child died about 48 hours after the first dose of *colchicine*.

The article does not describe the circumstances surrounding the error, how the medication use system was organised, or why such a large quantity of *colchicine* was available on a paediatric ward .



Colchicine Opocalcium[®] tablets (*colchicine*), **Colchimax[®]** tablets (*colchicine* + *opium powder* + *tiemonium*) Mayoly-Spindler (Rev Prescrire n° 402, Prescrire Int n° 187)

For lacking any specific safety features to make it harder for children to gain access to the tablets, which could result in a potentially fatal *colchicine* overdose. The box could have a safety catch, or the blister pack could have a child-resistant film, combined if necessary with a tool to help remove tablets.

Prescrire Editorial Staff "Death of a child from a colchicine overdose" *Prescrire Int* 2017 ; **26** (187) : 166-167.

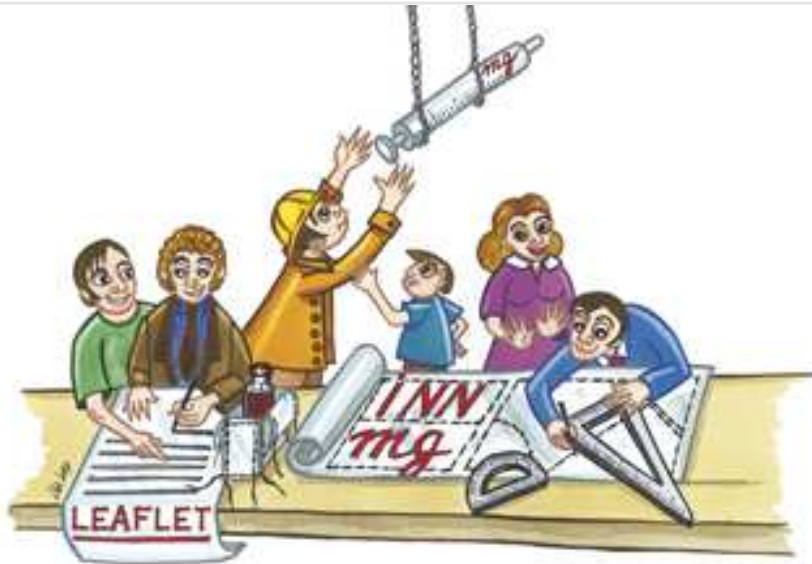
Learning from Healthcare Error Experiences



- ❑ Substitution between generics
- ❑ Fixed dose combinations
- ❑ Graduations of a dosing device
- ❑ Confused similar outer packages



Prescrire's assessment of packaging: know how



Prescrire's
**Packaging
Working Group**

What are the drug packaging assessed by *Prescrire*?

- ☐ new drugs evaluated in the “New Products” section of its French edition, *La revue Prescrire*
- ☐ existing products when changes are introduced:
 - name change (is the INN harder to read?)
 - product size (is the closure too weak?)
 - different dosing device (is the device more accurate?),
 - usage broadened to include vulnerable patients: children, pregnant women (is the information about pregnancy ambiguous?), patients with renal impairment,
 - major new data on adverse effects (has information about adverse effects been omitted?)
 - broadening of ranges, in particular umbrella ranges, etc.
- ☐ around 7000 packages analysed in 38 years; 220 in 2018

Prescrire's Packaging Working Group

- Part of the "Information search - Companies and Agencies Unit"
- Knowledge resource on regulations on packaging and labelling
- Access to high level information on packaging and marketing authorisation files (upon request to the EMA and companies)
- Network with hospital pharmacists
- Every item of the packaging is examined in detail, i.e. the PWG
 - compare the appearance with the other products in the range, in particular if the drug is part of an umbrella range
 - check the labelling for the legibility and position of key information (INN, dose strength, storage, etc.)
 - test the quality of blister pack films and bottle caps, especially for dangerous drugs
 - test whether tablets are easily divisible
 - prepare formulations that require reconstitution
 - try out dosing devices, referring to the patient leaflet
 - check whether oral delivery syringes could be attached to an injection needle
 - taste and smell the drug
 - analyse the usability and safety of the information provided, especially in the patient leaflet, including symbols, pictograms and dosing schedules

A 2 steps approach

- ❑ 1st systematic assessment of packaging by the *Prescrire* Editors from the New Products section
- ❑ 2nd systematic assessment of packaging by *Prescrire's* Packaging Working Group
- ❑ Annual drug packaging review published in March *Prescrire* and in June *Prescrire International* issues

1st systematic assessment by the *Prescrire* Editors

- ❑ Quality or risk factor taken in account as soon as from the documentation stage: is the packaging a key factor?
- ❑ Planning of the stage of the New Products section editing process needing particular information on the packaging
- ❑ One of the key elements of the *Prescrire* article and of the editor analysis

Prescrire's criteria for assessing the packaging

Basic questions to be answered

- Is it clear from the labelling which active substance or substances the product contains?
- How are doses prepared and administered?
- Does the information in the patient leaflet help users prepare doses correctly or are errors likely?

Factors taken in account





- situations in which the drug will be administered
- patients concerned, in particular vulnerable populations such as children, pregnant women and elderly patients
- setting in which it will be used (hospital or community) and supplied (on prescription only, over the counter at a pharmacy, or off the shelf)





Prescribe staff editor'
packaging analysis worksheet

- ❑ Outer packaging
- ❑ Information needed by patients and healthcare givers
- ❑ Immediate packaging
- ❑ Operations related to the preparation of a dose
- ❑ Operations related to the administration
- ❑ Global assessment of the safety and convenience

[illegible]

Summary of the packaging global assessment

| | | |
|---|--|---|
|  | Packaging fully contributing to a safe and helpful use of the drug | <i>Offers an advantage by preventing a particular risk or improving the quality of use (by the patient or by the healthcare giver) and/or of the drug use process</i> |
|  | Packaging potentially helpful for a correct use of the drug | <i>Presents interesting characteristics, but still room for improvement in the interest of patients and et healthcare givers and/or better fitted to the drug use process</i> |
| NTR | Usual packaging without particular interest | <i>Does not distinguish, positively or negatively, by a particular quality or defect having any consequence on the drug use and/or the drug use process</i> |
|  | Packaging presenting defects jeopardizing the correct use of the drug | <i>Globally few satisfying quality exposing to a risk of wrong use, or misuse and/or therapeutic inefficacy</i> |
|  | Packaging with important failures leading to serious risks during its use | <i>Dangerous : very insufficient quality exposing to a risk of wrong use, or misuse including serious potential clinical consequences</i> |

| | | Therapeutic interest of the substance | | | |
|--------------------------|---|---------------------------------------|---|---|----|
| | | ++ | + | - | -- |
| Quality of the packaging |  | | | | |
| |  | | | | |
| | NTR | | | | |
| |  | | | | |
| |  | | | | |



© Alain Savino/Prescrire

2nd systematic assessment by *Prescrire* Packaging Working Group

- ❑ After publishing each issue:
 - Centralized depository of the packaging elements used as documentation
 - Update of a table summarizing the packaging analysis
 - Overview of the corresponding packages
- ❑ Monthly meeting with the chief editor with special emphasis on positive and negative findings, packaging editing themes, etc.
- ❑ Selection of candidates to packaging awards
- ❑ Orientation of the annual packaging review

Drug names reviews

- ❑ Systematic drug names reviews by the *Prescrire's* Packaging Working Group
- ❑ Confusion between brand names: "Not to be confused" section
- ❑ Generic brand names masking the real name (INN): "Copies unmasked" section
- ❑ INN or common stems prone to error: "Common stem of the month" section

NE PAS CONFONDRE



Nous signalons ici certains produits de santé, qui en de ou de condition

COPIES DÉMASQUÉES



Nous signalons dans cet encadré la composition des copies arrivées récemment sur le marché français sous un nouveau nom commercial de fantaisie, nom le plus souvent peu infor-

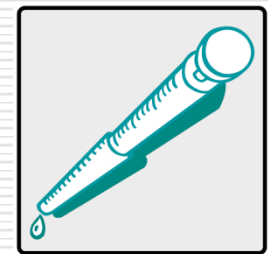
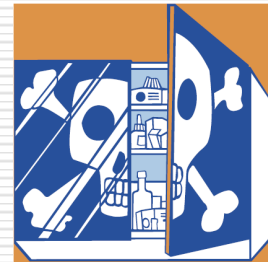
A drug's
real name **INN**
INTERNATIONAL NONPROPRIETARY NAME

Translated from *Rev Prescrire* May 2015; 35 (380): 343

COMMON STEM -ciguat

Specific packaging reviews

- ❑ Comparative assessment of current available products in order to help the choice by healthcare practitioners and patients
- ❑ Focused on life threatening products
 - Oral iron salts packaging (2002, 2007, 2017, 2018)
 - Oral methotrexate
 - Colchicine, nicotine substitutes, etc.
- ❑ Focusing on practices and safety of use
 - Oral dosing devices
 - Vaccines



Subscribers letters or reports to Prescrire Programme Preventing the Preventable

- ❑ Feedback from subscriber reports
 - in a specific part of a learning column "Cogitations" entitled "Learning from Healthcare Error Experiences "
 - as narrative summaries completing an article, entitled "Seen from Preventing the Preventable"
 - as a reference backing an article on the reported problem
- ❑ Letters provide useful informations about error risks and sources of confusion, in particular:
 - Look-alike and sound-alike names
 - Look-alike packages, dosage ranges, umbrella ranges, dangerous devices, etc.



Annual drug packaging review

- ❑ Established by *Prescrire's* Packaging Working Group
- ❑ On the basis of the last year findings and observed trends, with special highlights as necessary
- ❑ Published in the March issue of the French journal
- ❑ Translated fully or partly for publishing in later issues of *Prescrire International*

Prescrire Packaging Awards



- ❑ List prepared by the *Prescrire* Packaging Working Group
- ❑ Submitted for internal review and discussed during a preparatory meeting of the editorial team
- ❑ Granted to the companies during the annual *Prescrire* **Golden Pill Award**

- ❑ The **Packaging awards** highlight the interest of a packaging for the patient or the healthcare givers



- ❑ The **Red and Yellow Cards** drive attention to dangerous products prone to error or overdose



Prescribe



High-strength insulins: dose counter inaccuracies

- ❑ flouting the 1 unit step rule
 - 2 units steps (i.e. Tresiba Flextouch[®] 200 units/ml)
 - 0,5 units steps (i.e. Humalog Junior Kwikpen[®] 100 units/ml)
- ❑ malfunctioning on intermediary positions
 - blocking any administration
 - the pen's spring mechanism tends to wind back to the lower graduation
- ❑ confusing for visually impaired patients
- ❑ misleading display in the case of fixed dose combinations
 - i.e. 1 dose step of Xultophy[®] correspond to 1 unit of insulin degludec + 0.036 mg of liraglutide



Children at risk: still not enough child-proof cap

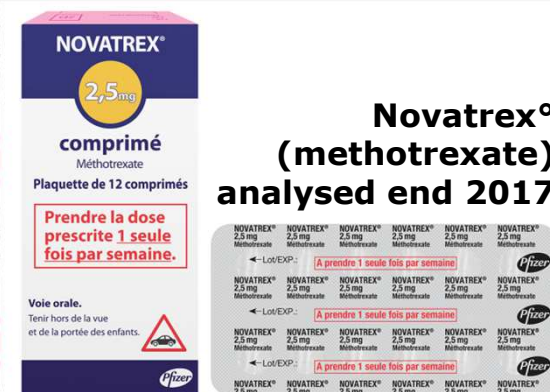


- ❑ 2011: 10 Red Cards
- ❑ 2012: 3 Red Cards
- ❑ 2013: 6 Red Cards
- ❑ 2014: 9 Red Cards
- ❑ 2015: 4 Red Cards
- ❑ 2016: 4 Red Cards
- ❑ 2017: 10 Red Cards
- ❑ 2018: 15 Red Cards



Oral methotrexate: room for improvement

- ❑ Replacing bulk bottles of tablets with blister packs represents progress
 - risk of spilling the tablets
 - contamination by scattering powder from the tablets.
 - easy opening of the bottle facilitates ingestion by a child
- ❑ In France, Methotrexate Bellon° and Imeth° still packaged in bulk bottles without safety caps
- ❑ More substantial improvement is possible (see also IMSN members response to the EMA consultation)
 - child resistant film on the blister packs
 - providing a tablet-extracting tool for patients whose hands are affected by rheumatoid arthritis
 - pre-perforated blister packs which allow each tablet to be identified
 - roots causes not to be overlooked: regulation, packaging, labelling and awareness



**Methotrexate Bellon°
analysed in 2018**



<http://english.prescrire.org/en/79/207/46302/5679/5562/SubReportDetails.aspx>

Unit-dose blister packs: too rare in community pharmacies

- ❑ low-quality blister packs
the detached portion of the blister pack for a dose rarely displays all the information required for safe dosing, in particular the INN and dose strength
- ❑ vortioxetine (Brintellix[®])
Perforated blister pack, with each section containing two blisters with one tablet each
Just one label per perforated section



In this labelling, does the 20 mg of vortioxetine correspond to 1 tablet or 2 tablets?

An overdose was reported in 2004, due to this type of packaging with Néoral[®] (ciclosporine)



Dosing devices: an area that needs work

- ❑ Too many dosing devices are imprecise (cup, dropper, etc.) whereas there are oral syringes that are well adapted
- ❑ Too many dosing devices and COPE are calibrated in milliliters as opposed to milligrams of the drug, although the latter is possible
- ❑ Two dosing devices in the same box = danger
- ❑ Dosing devices needed for topical drugs, etc.



Adverse effects in patient leaflets: recurrent shortcomings

- ❑ Known harms omitted from the SPCs and patient leaflets of both new and older drugs
- ❑ Insufficient prioritisation of adverse effects
idebenone (Raxone°): ▼ present without advice for monitoring hepatotoxicity
- ❑ Omissions and failure to update the documentation of older drugs
 - Not all vaginal drugs containing estriol alert on risks of arterial or venous thrombosis and breast or endometrial cancer
 - Cutaneous retinoids available in France, adapalene, alitretinoin, isotretinoin, tretinoin and tazarotene, and risks of teratogenicity: failing to mention the need for effective contraception
- ❑ Patients discouraged from reading about adverse effects
long lists of adverse effects not written to provide information to patients, but rather to protect pharmaceutical companies from litigation
- ❑ Leaflets must accurately reflect the information given to healthcare professionals in the latest version of the SPC.

Lobbying for safer packaging

Ouvertures

Prescrire

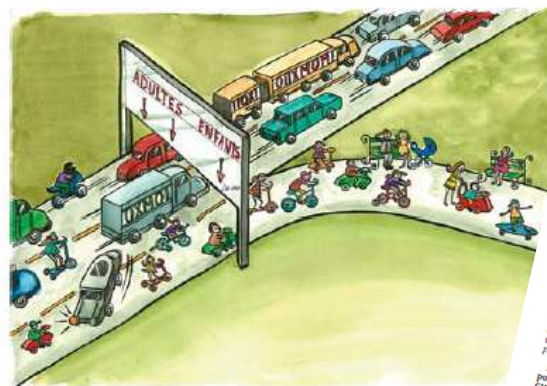
Via electronic transmission
To: Quality Working Party (daps)
Cc: Guido Rasi - Executive Director
Cc: Dominique Maraninchi - Executive
Cc: Agnieszka Lata - Document
Cc: Kent Woods - Management
Cc: John Dall - European Committee
Cc: Patricia Brunko General D

Prescrire's re
public consultation on E
"Draft - Guideline on P
of Medicines"
a pragmatic overview

Prescrire
45, boulevard Wilson
93000 PUTEAUX CEDEX 11
FRANCE
Tél: (01) 47 00 40 00
Fax: (01) 47 00 40 01
www.prescrire.org

Dear Sir or Madam,
In May 2011, the European
a draft guideline on the

EUROPE Conditionnement des médicaments pour les enfants : les améliorations proposées par Prescrire



En mai 2011, l'Agence européenne du médicament (EMA) a publié pour consultation publique un projet de lignes directrices (EMA/CHMP/QWP/180157) relatives au développement pharmaceutique des médicaments pédiatriques.

Prescrire a répondu à cette consultation en déposant un état des lieux de la situation pratique et en émettant 20 propositions constructives. Voici l'essentiel de cette réponse, en date du 29 décembre 2011.

Les aspects pharmaceutiques des médicaments, c'est-à-dire leurs formes, leurs excipients, leurs dosages ou leurs concentrations, et leurs conditions d'usage, sont des éléments importants de leur balance bénéfices-risques. Des lignes directrices communautaires solides et détaillées relatives aux aspects pharmaceutiques du développement des médicaments destinés aux enfants constitueront un déterminant majeur de la qualité des traitements chez ces jeunes patients dans l'Union européenne (1).

De telles lignes directrices seront efficacement appliquées par le fabricant et le prescripteur. Elles serviront à améliorer la qualité de l'application et à réduire les risques. Elles serviront à améliorer la qualité de l'application et à réduire les risques. Elles serviront à améliorer la qualité de l'application et à réduire les risques.

1. Early paediatric investigation plans

Innovative pharmaceutical companies should submit paediatric investigation plans (PPIs) as early as possible in the development of new drugs. PPIs should be submitted to the EMA/CHMP/QWP/180157 draft guideline for review and approval.

2. Assessment of packaging by all medicines agencies

Medicines agencies and national regulatory authorities should assess the quality of all packaging materials used in the packaging of all medicines.

3. Clearer labelling (INN, features)

Medicines agencies should ensure that drug regulatory agencies and pharmaceutical companies consistently display the drug's name (INN) and other key information on packaging.

4. Unambiguous labelling of dose strengths and concentrations

With regard to labelling, amount (mg) and concentration (mg/ml) should be clearly stated on the packaging of all medicines.

Drug packaging: improvements needed to protect children

When adapting a drug for paediatric use, its packaging must also be adapted.

Poor quality packaging is still common: risk of overdose or treatment failure.

Packaging of medicines for paediatric use: Prescrire's constructive proposals

1. Improve surveillance of supplementary protection certificates

The medicines that are candidates for a supplementary protection certificate (SPC) should be subject to a rigorous assessment of their packaging.

2. Improve public information on packaging

Improve the information provided by health authorities for healthcare professionals and patients. Provide descriptions of packaging forms and instructions for their use.

3. Think about children when re-assessing medicines

Medicines that are no longer produced by a pharmaceutical company should be subject to a rigorous assessment of their packaging.

4. Unambiguous labelling of dose strengths and concentrations

With regard to labelling, amount (mg) and concentration (mg/ml) should be clearly stated on the packaging of all medicines.

5. Improve public information on packaging

Improve the information provided by health authorities for healthcare professionals and patients. Provide descriptions of packaging forms and instructions for their use.

6. Unambiguous labelling of dose strengths and concentrations

With regard to labelling, amount (mg) and concentration (mg/ml) should be clearly stated on the packaging of all medicines.

7. Clearer labelling (INN, features)

Medicines agencies should ensure that drug regulatory agencies and pharmaceutical companies consistently display the drug's name (INN) and other key information on packaging.

<http://english.prescrire.org/en/79/349/49235/3722/3480/SubReportDetails.aspx>

Prescrire

Étienne Schmitt

EMC Workshop - 13 October 2019

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Where to find our position papers?

The screenshot displays the Prescrire website interface. At the top, the logo 'Prescrire IN ENGLISH' is prominent. Below it, a navigation bar includes 'ISSUE CONTENTS', 'TOPICS', and 'ABOUT PRESCRIRE'. The 'TOPICS' menu is expanded, showing options like 'Annual Prescrire Awards', 'Advancing healthcare policy', 'Positions', and 'Spotlight'. A sidebar on the left lists 'Prescrire's other websites' including 'Prescrire.org', 'Les Formations - APP', 'Prescrire Campus', and 'Éviter l'Évitable'. The main content area features several articles: 'Advancing healthcare policy' with a sub-header 'Via its policy advocacy, Prescrire acts as a force for change in health policies, first and foremost in the interest of patients.', 'Advancing healthcare policy in Europe: a chronological recap of actions' with an illustration of two figures pushing a large blue arrow labeled 'HEALTH', and 'In Prescrire's Spotlight' featuring 'The 2018 "Prescrire Prize" 4 noteworthy books at'. A featured review for 'Bezlotoxumab (Zinplava®)' is also visible. The bottom of the page shows a URL: 'http://english.prescrire.org/en/49/549/49235/3673/ReportDetails.aspx'.



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THANK YOU!