#### RULES OF THE DRUG PRESCRIPTION

#### PRESCRIPTION

- official document compiled in accordance with fixed rules.
- written in Latin
- must have all parts filled up, must be legible
- corrections should be signed by the physician following the abbreviation corr.(correxit-corrected)
- written in a non-erasible manner
- max. 2 kinds of medicines/Rx

#### **RULES OF DRUG PRESCRIPTION**

 refers to the valid Pharmaceuticals Act and from the related acts and regulations.

# Electronic Prescription

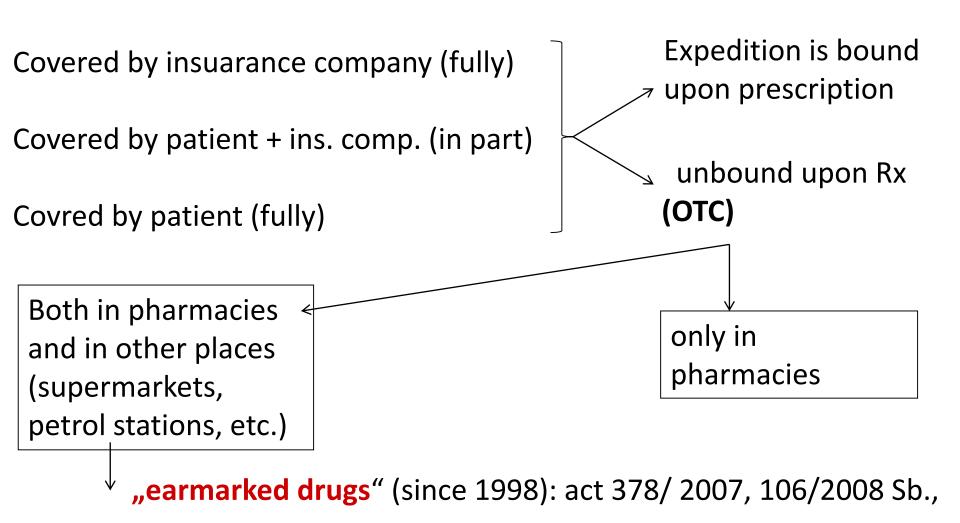
- Physician
- Central server for data storage (SÚKL)
- Pharmacy

Patient + his password/PIN

 Ready-made preparations (RMP)- final preparations made by pharm. companies, ready to be issued by the pharmacy to patients without any further modifications

Individually prepared preparations (IPP) –
prepared in the pharmacies on the base of
individual medical prescriptions

## **Drug preparations**



"about good pactice of the sellers of earmarked drugs and about the specialized education of sellers of earmarked drugs"

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Příjmení a jméno				
Rodné číslo				f.
Bydliště (adresa)		10 10 101 10		
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razitko zdrav. zařízení jmenovka a podpis lékare		Připravil:		Vydal:

### Prescription composition

- *Inscriptio* the heading of the prescription
- <u>Personalia aegroti</u> patient s personal data (name, surname, birth number and domicile).
- <u>Invocatio</u> induced by the abbreviation Rp. (recipe take).
- Ordinatio the actual prescription of the healing preparation

= compositio + subscriptio + signatura

#### compositio

- RMP the trade name in the nominative, specification of pharmaceutical dosage form, dose and package
- **IPP** list of pharmacopoeial (officinal) names of substances in the genitive of singular + dosages

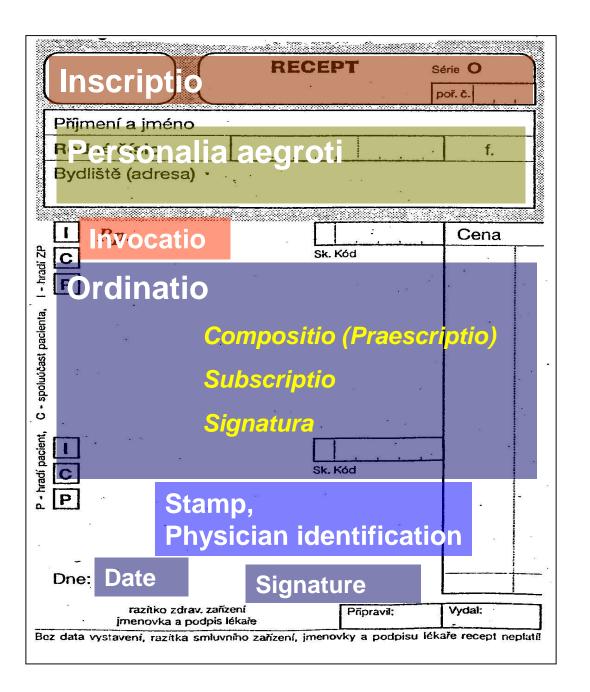
#### <u>subscriptio</u>

- RMP how many packages should be issued
- IPP how the preparation should be made of the prescribed components
- <u>signatura</u> instructions how the preparation should be used by the patients.

- date
- the stamp of the health facility, the identification of the physician, and the physician's personal signature

## Validity of Prescription

- Common Rx 14 days
- ATB 5 days
- ATB topically 14 days
- Narcotics, Psychotropics
  - 14 days
- Rx for repeated issue 6 moths, max 1 year
- Rx issued by emergency next day after the Rx issue
- (= max. 48 h)
- Date Rx not valid if missing
- Validity may be prologned by physician (pollen vaccinesallergology)



#### Symbols in Rx formulary

I – fully paid by insuarance company

**C** – partially paid by patient and insuarance comp.

**P** – fully paid by patients

### **RMP**

- introduced into the marked under their trade names
- ready to be issued by the pharmacy to patients without any further modifications
- are manufactured in batches (= amount of product manufactured in one production cycle)
- batch number must be given on the package of the preparation
- longer usable life than IPP (on the outer and inner package – "Exspir./ Exp./ Best before")

### **PRAESCRIPTIO**

- the trade name in the nominative
- specification of pharmaceutical dosage form, dose and package
- If not specified the lowes strenght and smallest package is issued





how many original packages (ampules, tablets)

Expeditionem originalem numero unam – Exp.orig.No.I (unam)

Expeditiones originales numero duas – Exp.orig.No.II (duas)



#### **SIGNATURA**

 necessary data, which inform patient about the proper use of the preparation respecting the optimum dosage scheme

Rp.

BRUFEN 400 por. tbl. flm.

Tbl.100x400mg

Exp.orig.no.II(duas)

D.S. 1-3 tablets/day

#### **IPP**

prepared in the pharmacies on the base of individual medical prescriptions (magistraliter)

enables individualization of prescriptions

3-8 % of receipts → (e.g. ophthalmology, dermatology, ORL, dentistry).

Risk of incompatibilities and mistakes in prescription and preparation

### **IPP**

#### Ordinatio –

= compositio + subscriptio + signatura

#### • = compositio

composition of preparation

= list of pharmacopoeial (officinal) names of substances in the genitive of singular + dosages

e.g. Paracetamoli 0.5

Morphini hydrochloridi trihydrici 0.03

#### **Compositio**

- <u>remedium cardinale-</u> component showing the major therapeutic effect
- <u>remedium adiuvans-</u> supplementary substance improving the effect of the major active component or attenuating its adverse effects,
- <u>remedium corrigens</u> component modifying/ unpleasant taste and/or improving undesirable appearance and/or aroma of the preparation,
- <u>remedium constituens or vehiculum</u>- pharmaceutical excipient

#### **Subscriptio**

detailed instructions for the pharmacy how to prepare

fixed Latin abbreviations are being used

Most often:

Misce fiat (sg.) or Misce fiant (pl.) = mix to make

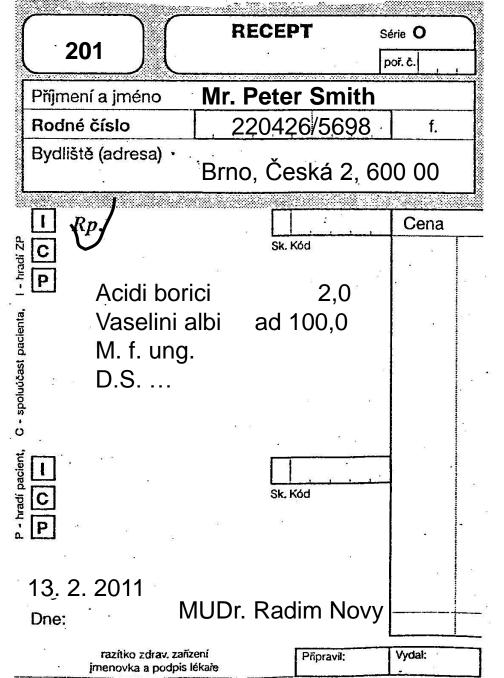
e.g. M. f. sol./ung./oculogutt.

#### <u>Signatura</u>

detailed instructions for the patient how to use the medicine

or drug is prescribed for the physician's use

Ad usum medici, Pro medico, Pro ordinatione



#### Drugs of abuse and psychotropic substances

§§ - Drugs of abuse group I
 very strong narcotic effect
 e.g. fentanyl, morphine, cocaine, methadone

 § psychotropic substances, group II strong psychotropic effect e.g. amphetamin, flunitrazepam

### Narcotic substances

- §§ alfentanyl
- §§ diphenoxylate
- §§ fentanyl
- §§ hydrocodone
- §§ cocaine
- §§ methadone
- §§ morphine

- §§ oxycodon
- §§ oxymorfon
- §§ pethidine
- §§ sufentanyl
- §§ remifentanyl
- §§ tilidin
- §§ opium crudum

## Psychotropic substances

- § aphetamin
- § buprenorfin
- § phencyclidin
- § flunitrazepam (Rohypnol)
- § methamphetamin
- § pentazocin

**—** ...

## Rules for prescription

- prescribed on prescriptions and/or order forms with an oblique blue stripe
- very strict accounting
- three copies
- only one preparation
- 14 days of validity

Pořadové číslo tiskopisu		Kód obecního úřadu obce s rozšířenou působností *)					
Kód zdravotní pojišťovny:	Recept na léčivé příprav obsahující omamné látk a psychotropní látky sez	seznamu I					
Jméno a příjmení:							
Číslo pojištěnce: Datum narození:							
Adresa:	Telefoní číslo pacienta:						
Rp.	J	Razítko poskytovate menovka* a podpis Předepisujícího léka	Cerkein Re				
Přijal: P	řipravil: V	ydal:	Poř. č.				

### Drug information databases

Micromedex LEXICOMP EMA, FDA AISLP SPCs Drugs.com

In Czech:
AISLP
Infopharm
Pharmindex Vademecum
Pharmindex Compendium
Remedia Compendium