

Date:.....

Name.....

PHARMACY RETAIL PRICE – BASIC PRINCIPLES OF THE REGULATION

PHARMACY RETAIL PRICE – PRACTICAL CALCULATION I

Task 1

As was in the lecture explained:

In the Czech Republic there is statutory pricing for all reimbursable pharmaceuticals.

Prices of non-reimbursable pharmaceuticals are not regulated.

In accordance to above mentioned rule – Are this medicinal products under price regulation?

„Aclasta 5mg INF SOL 100ml“ - human medicinal product with marketing authorisation, POM, with reimbursement:

YES - NO

„Cilkanol POR CPS DUR 30X300MG“ - human medicinal product with marketing authorisation, OTC, without reimbursement:

YES - NO

„Stilnox por.tbl.flm.20x10mg“ human medicinal product with marketing authorisation, POM, without reimbursement:

YES – NO

„Meloxivet 30ml susp“ – veterinary medicinal product , POM

YES - NO

Task 2: List of reimbursed medicinal products: is announced by SIDC every month (1st day of the month)

Open file in Moodle: List of reimbursed medicinal products

a) See in the list the product with the lowest reimbursement:

NATRIUM CHLORATUM BIOTIKA SOLUTIO ISOTONICA; Code 0000514:

The manufacturer price is:..... (the price in **column CP**)

The reimbursement is:..... (the price in **column UHR1**)

The maximal pharmacy retail price is: (the price in **column MFC**)

Therapeutical indication:.....

- b) See in the list the product with the highest reimbursement:
REMOTULIN; Code 0020619

The manufacturer price is:..... (the price in **column CP**)

The reimbursement is:..... (the price in **column UHR1**)

The maximal pharmacy retail price is: (the price in **column MFC**)

Therapeutical indication:.....

- c) See in the list the product with reimbursement and with the lowest manufacturer price and maximal retail price:
ELENIUM; Code 0210307

The manufacturer price is:..... (the price in **column CP**)

The reimbursement is:..... (the price in **column UHR1**)

The maximal pharmacy retail price is:..... (the price in **column MFC**)

Therapeutical indication:.....

- d) See in the list the product with reimbursement and with the highest manufacturer price and maximal retail price:
CERDELGA; Code 0040564

The manufacturer price is:..... (the price in **column CP**)

The reimbursement is:..... (the price in **column UHR1**)

The maximal pharmacy retail price is: (the price in **column MFC**)

Therapeutical indication:.....

- e) See in the list the product with reimbursement with the highest increased reimbursement
YERVOY; Code 0185102

The manufacturer price is:..... (the price in **column CP**)

The reimbursement is:..... (the price in **column UHR1**)

The increased reimbursement is:..... (the price in **column UHR2**)

The maximal pharmacy retail price is: (the price in **column MFC**)

Therapeutical indication:.....

f) Find product: ABRAXANE 5 MG/ML , code: 0029631

The reimbursement is:..... (the price in column UHR1)

Specialisation of the prescriber:..... (the column OME1)

The increased reimbursement is:..... (the price in column UHR2, if the cell is empty write 0; the increased reimbursement is not applied to the product)

a) Is in the List of reimbursed medicinal products mentioned medicinal product with brand name „OSTEOGENON“?

No – and it means: it is not reimbursed medicinal product

No – and it means: it is fully reimbursed

Yes and reimbursement is.....

Task 3: Co-payment

(Co-payment is the difference between the price for final consumer and reimbursement)

Prescription:

Lozap H por tbl flm 30

Exp. Orig. No III (tres) ← number of packages!

D.S. 1 in the morning

Lozap H 30 tbl - 1 package:

Rough price for the final consumer: **111,54 CZK**

Maximum reimbursement from health insurance: **83,54 CZK**

How much will the patient pay for the prescription? How much will pay the Insurance company?

Co-Payment:.....

Insurance:.....

Task 4: Oop 01 – 16

Oop 01 – 16 (Regulation by SIDC) - reimbursement of medicinal products prepared in the pharmacy:

Listed groups of medicinal products which **are NOT reimbursed** (in accordance to their use or content):

- a) combination of substances with analgetic and/or antipyretic effect, except of combination with codeine for non-analgesic use (gastroenterology);
- b) antiphlogistics – for local application
- c) decongescents of nose mucose, combinations - decongescens + other substances
- d) medicinal products with herbal origin (tea...)
- e) vitamins, combination of vitamins, combination - vitamins + minerals or other substances for p.o. use
- f) methionin for p.o. use except of hereditary diseases
- g) expectorants and antitusics
- h) treatment of erectile dysfunction
- i) products containing:
 - chinidin
 - hydrargyri amidochloridum.
 - latanoprost
- j) products containing combination of:
 - coffein and ephedrin
- k) antihemorrhoidalia for local application and rectal use

Medical Prescription No 1

Chinidini sulfurici 0,1

Papaverini chl. 0,025

Phenobarbitali 0,015

M.f.pulv

D.t.d. No XX (viginti) ad caps

S: 3x daily 1 cps

Will be this medicinal product reimbursed?

- **Yes, the full price of the medicinal product is paid by the Insurance company**
- **No, the full price of the medicinal product is paid by the patient**
- **Yes, but there could be some co-payment, depends on the pharmacist decision**

Medical Prescription No 2

Ureae purae 5,0

Cutilani ad 100,0

M. f. ung.

D.S. skin hydration

Will be this medicinal product reimbursed?

- Yes, the full price of the medicinal product is paid by the Insurance company
- No, the full price of the medicinal product is paid by the patient
- Yes, but there could be some co-payment, depends on the pharmacist decision

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Note: VAT in CZE:

- **Standard VAT rate : 21%**
- **1st reduced VAT rate: 15 %**
- **2nd reduced VAT rate: 10 %**

Task 5 - I)

Medicinal devices with price regulation : Maximal mark-up 25 % of the Ex-factory price

Medicinal devices with price regulation

Ex-factory price: 30 000 CZK.

Group: 1. reduced VAT

Maximal pharmacy reatail price (with VAT):...?

PRP without VAT = (Ex-factory price + maximal mark-up)

PRP without VAT =

1st reduced VAT : PRP with VAT =

Task 5 - II)

Medicinal products with price regulation:

It is common wholesale and pharmacy mark-up,
There are no official agreements on how the mark-ups are split.

Zone of ex-factory price	From (CZK)	To (CZK)	Mark-up	Additional part
1	0,00	150,00	37 %	0
2	150,01	300,00	33 %	6,00
3	300,01	500,00	24 %	33,00
4	500,01	1 000,00	20 %	53,00
5	1 000,01	2 500,00	17 %	83,00
6	2 500,01	5 000,00	14 %	158,00
7	5 000,01	10 000,00	6%	558,00
8	10 000,01	9 999 999,99	4 %	758,00

How to calculate the price of medicinal product?

- 1) **Choose the zone** according to Ex-factory price
- 2) **Add the mark-up** according to the zone – see example below
- 3) **Add VAT – human medicinal product with marketing authorization: 10%**

Example of the calculation:

Medicinal product with price regulation: Ex-factory price = 255,72 CZK

Pharmacy retail price (PRP) without VAT:

255,72 → **Zone 2: Mark up 33 %, additional part: 6 CZK**

Calculation:

$$\begin{array}{l} \text{mark-up} \quad \quad \quad \text{additional part} \\ \quad \quad \quad \swarrow \quad \quad \quad \nwarrow \\ \text{PRP without VAT} = (255,72 + (33\% \text{ of } 255,72) + 6) \\ \quad \quad \quad ((255,72 * 1,33 + 6)) \end{array}$$

PRP without VAT = 346,10 CZK

PRP with VAT = 346,10 + 10% of 346,10

$$((346,10 * 1,1))$$

PRP with VAT = 380,70 CZK This is the maximal allowed rough price for the final consumer!

(Round down!)

Medicinal product with price regulation

Ex-factory price = 1 612,60 CZK

Zone: Mark up, additional part: CZK

PRP without VAT=

PRP with VAT =

Medicinal product with price regulation

Ex-factory price = 7 255,13 CZK

Zone: Mark up, additional part: CZK

PRP without VAT=

PRP with VAT =

Medicinal product with price regulation

Ex-factory price = 73,71 CZK

Zone: Mark up, additional part: CZK

PRP without VAT=

PRP with VAT =

Medicinal product with price regulation
Ex-factory price = 1 130,54 CZK

Zone: Mark up, additional part: CZK

PRP without VAT=

PRP with VAT =

Medicinal product with price regulation
Ex-factory price = 244,53 CZK

Zone: Mark up, additional part: CZK

PRP without VAT=

PRP with VAT =

Medicinal product with price regulation
Ex-factory price = 686 363,95 CZK

Zone: Mark up, additional part: CZK

PRP without VAT=

PRP with VAT =

Medicinal product with price regulation

Ex-factory price = 353,87CZK

Zone: Mark up, additional part: CZK

PRP without VAT=

PRP with VAT =

Medicinal product with price regulation

Ex-factory price = 706,50 CZK

Zone: Mark up, additional part: CZK

PRP without VAT=

PRP with VAT =

Task 5 - III)

Veterinary Medicinal product (POM) with ex-Factory price 125 CZK could be sold in the pharmacy for 300 CZK. Is this statement true?

YES – NO

Why?.....

Task 5 - IV) Compare prices of OTC medicinal product in your country and Czech republic

Do you remember the price of any product containing ? Paracetamol 500 mg, or Ibuprofen 400 mg?

No –

Yes:.....
.....

Example of Czech prices. (the approximate price)

Panadol Novum 500 mg 24 tbl: cca 40 CZK / 1,60 Euro

Apo- Ibuprofen 400 mg 100 tbl: cca 100 CZK / 4 Euro