

Basic Medical terminology II



SEMINAR 10-11:

- ❑ **TYPES OF MEDICATIONS**
- ❑ **MEDICAL PRESCRIPTION**

BASIC TYPES OF MEDICATIONS



Names of medications = remedium (sg.) / remedia (pl.) + adjective

REMEDIIUM (usually omitted)...

- -(I)ENS/-ANS
- -ICUM/-IVUM
 - -LYTICUM?
 - CONTRA-/ANTI-?
 - HYPO-?
 - DE-/DES-?
 - AN-?

Plural forms?

-(I)ENTIA/-ANTIA
-ICA/-IVA

ANXIOLYTICUM

CONTRACEPTIVUM / ANTIDOTUM

HYPOTONICUM

DETOXICANS

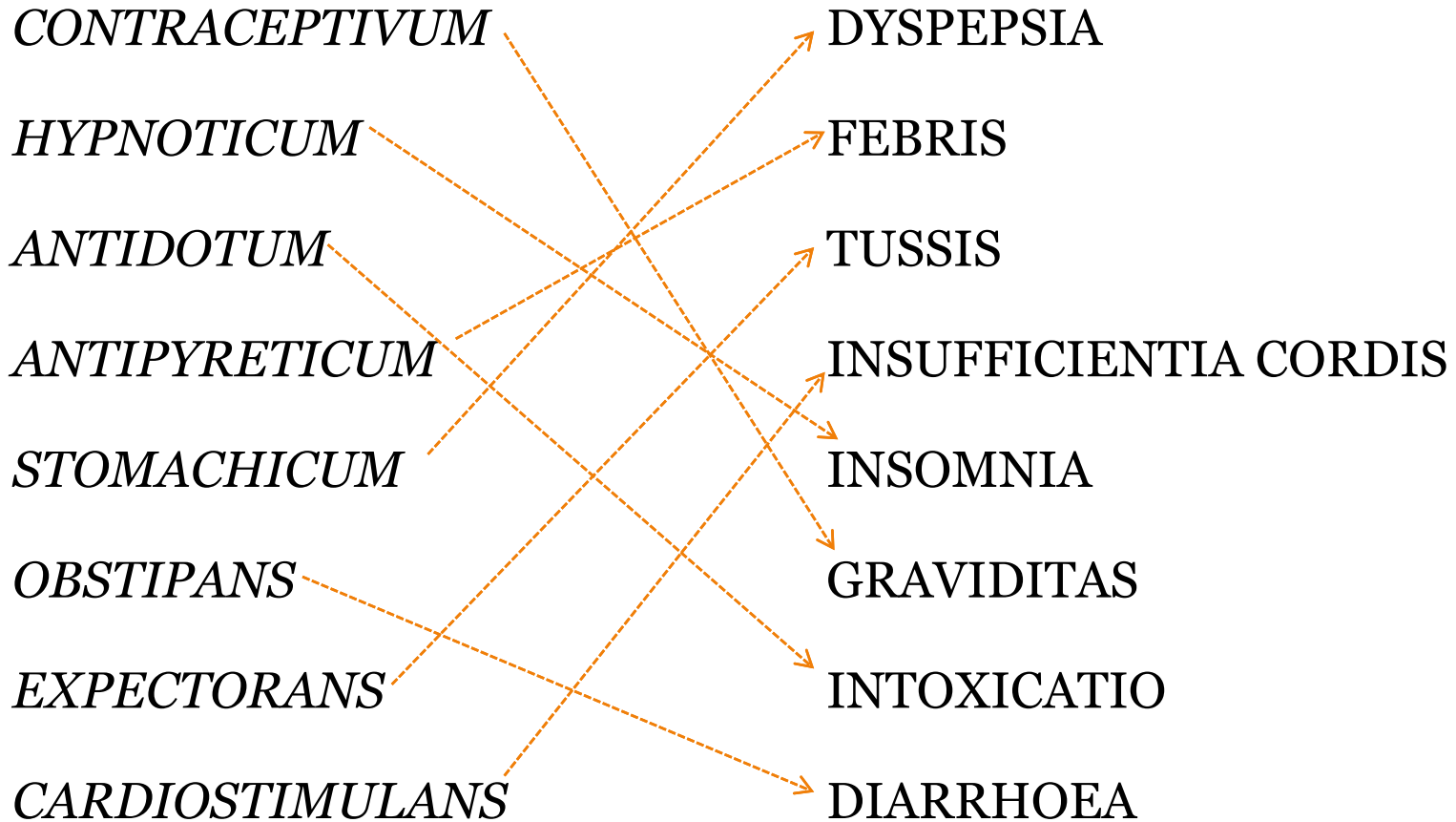
ANALGETICUM

**CHANGE THE UNDERLINED WORDS
INTO THE OPPOSITE NUMBER (Handout 9.7, task 7)**

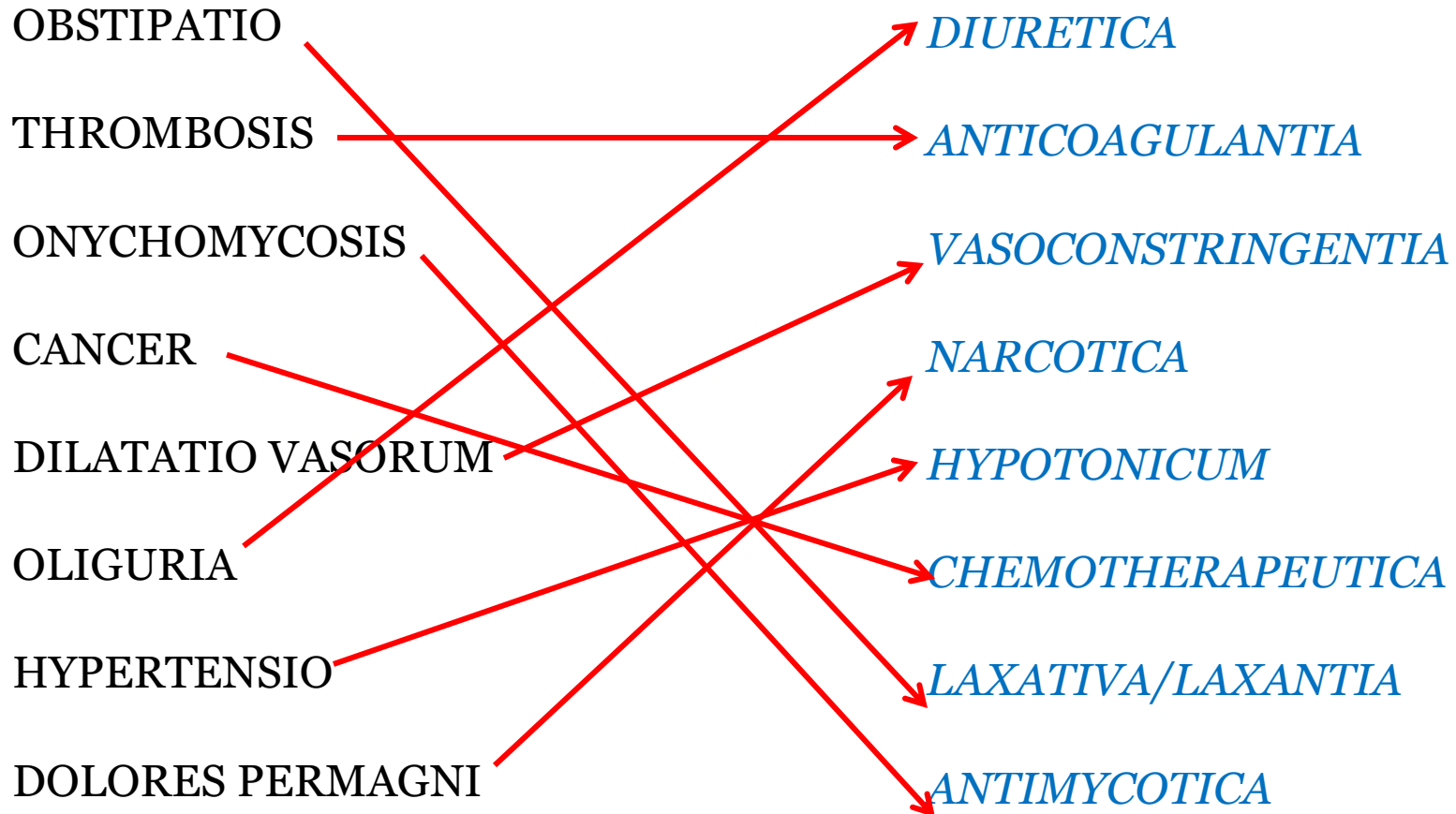


- REMEDIUM ANXIOLYTICUM **REMEDIA ANXIOLYTICA**
- VASODILATANTIA PROPTER STENOSIM VASORUM **VASODILATANS**
- DOSIS ANTIBIOTICI PRO INFANTE **DOSES ANTIBIOTICORUM PRO INFANTIBUS**
- ANTIPYRETICA PROPTER HYPERPYREXIAM **ANTIPYRETICUM**
- REMEDIUM MYORELAXANS **REMEDIA MYORELAXANTIA**
- REMEDIA PROPHYLACTICA IN GRAVIDITATE **REMEDIUM PROPHYLACTICUM**

MATCH THE TYPES OF MEDICATIONS WITH APPROPRIATE CLINICAL CONDITIONS (Handout 9.7, task 8)



MATCH THE CLINICAL CONDITIONS WITH APPROPRIATE TYPES OF MEDICATIONS



MEDICAL PRESCRIPTION



CZECH

VZOR

Kód pojišťovny	RECEPT	poř. č.
	Údaje platné pro celý recept (výpis, pohotovost, repetatur s počtem opakování, nutná a neodkladná péče, atd.)	
Příjmení a jméno		
Číslo pojištěnce		f.
Bydliště (adresa)		
Popl.	Diagnóza ¹⁾	Sk.
	Kód	Započ.dopl.
		Úhrada

Rp.

Popl.	Diagnóza ¹⁾	Sk.
	Kód	Započ.dopl.
		Úhrada

Rp.

Dne:

razítko poskytovatele,
jmenovka, podpis a telefon lékaře

Připravil:	Vydal:
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¹⁾ Vyplňuje se povinně v případě zvýšené úhrady.

MEDICAL PRESCRIPTION



BRITISH

FRONT

C	<p>SURNAME B</p> <p>Mr/Ms/Miss</p> <p>Age if under 12 years</p> <p>.....</p> <p>ys mths</p> <p>INITIALS AND ONE FULL FORENAME</p> <p>Address</p>	
Pharmacy Stamp		
<p>Pharmacy pack & quantity enrolment</p>	<p>No. of days treatment N.B. Ensure dose is started</p> <p style="text-align: center; font-size: 1.5em;">NP</p>	<p>Pricing Office use only</p>
C	A	
<p>Signature of Doctor <i>Cancelled</i> Date</p>		
<p>For phar- macist No. of Prescrip- tion form</p> <p><input type="checkbox"/></p>		
<p>IMPORTANT: Read notes overleaf before going to the pharmacy.</p>		

Form FP10
(Rev. 05)

MEDICAL PRESCRIPTION



GERMAN

Mitgl. gebürt.	ADK	LKK	BKK	IKK	VdAK	AEV	Knappschaft	XGV*)
1 frei	BG Bergbau							
2 Fam.-Angeh. gebürt.	Name des Versicherten		Vorname		geb. am			
	Meier		Hans		31.12.37			
3 frei	Ehegatte / Kind		Vorname		geb. am			
4 frei	Arbeitsgeber (Dienststelle) Mitglieds Nr. / Folge- / Rentenr							
	34 M 167890							
5 Fam.-Angeh. gebürt.	Wohnung des Patienten							
	Kleinhausener Winger 17							
6 frei	BVG	Sonstige	Sonstige	Sonstige	Datum			
	6	8	6	9	2.2.89			
7 Anz. d. Arztes	*) Unfalltag		Unfallbetrieb					
	1.7.88		XY-Werk					
8 Tasse	Rp. (Bitte Leerräume durchstreichen!)							
	Diclofenac 50 ratio 50 mg							
	Lactotel Bindeln 8cm 10 St							
Dr. XYZ Arzt Ringstr. 30 6479 Randsbüttel 1 Kassenzahnstempel								Unterschrift des Arztes
Wird die Arznei während der Nachtzeit (20 bis 7 Uhr) abgeholt, so hat der Patient die Nachkassa (2,- DM) zu zahlen, sofern der Arzt nicht einen entsprechenden Vermerk anbringt.								Muster 16 (4. 1987)

MEDICAL PRESCRIPTION



AMERICAN

DD FORM 1289 1 NOV 71 DOD PRESCRIPTION	
FOR (Full name, address, & phone number) (If under 12, give age)	
<i>John R. Doe, HM3, USN</i>	
<i>U.S.S. Never forgotten (DD 178)</i>	
MEDICAL FACILITY	DATE
<i>U.S.S. Never forgotten (DD 178)</i>	<i>23 JAN 99</i>
R_s (Superscription)	gm or ml.
(Inscription)	
<i>Tn Belladonna</i>	<i>15 ml</i>
<i>Amphogel qsad</i>	<i>120 ml</i>
(Subscription)	
<i>M & FI Solution</i>	
(Signa)	
<i>Seg: 5ml t.i.d a.c.</i>	
MFGR: <i>Wyeth</i>	EXP DATE: <i>12/02</i>
LOT NO: <i>P39K106</i>	FILLED BY: <i>KMT</i>
R_s NUMBER <i>10072</i>	<i>Jack R Frost</i> <i>LCDR, M.D. USNR</i> SIGNATURE RANK AND DEGREE

EDITION OF 1 JAN 80 MAY BE USED FOR
S/N 0102-LF-012-6201

VZOR

INSCRIPTIO

Kód pojišťovny	RECEPT	poř. č.
Údaje platné pro celý recept (výpis, pohotovost, repatur s počtem opakování, nutná a neodkladná péče, atd.)		

PERSONALIA AEGROTI

Příjmení a jméno

Číslo pojištěnce

f.

Bydliště (adresa)

INVOCATIO

Popl.	Diagnóza ¹⁾	Sk.	Kód	Započ.dopl.	Úhrada
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ORDINATIO

Rp.

Kalij jodidi	1,0
Ephedrini hydrochloridi	0,2
Thymi sirupi comp.	20,0
Aquae purif.	ad 100,0

M. f. liquid.
D. ad lag.
D. S. 3x denně 1 lžiči

MAGISTRALITER

a) PRAESCRIPTIO (COMPOSITIO)

b) SUBSCRIPTIO

c) SIGNATURA

Popl.	Diagnóza ¹⁾	Sk.	Kód	Započ.dopl.	Úhrada
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SPECIALITAS

Rp.

Frontin 0,5 mg
Exp. orig. No. III (tres)
D. S. 1 tbl. ráno, 1 tbl. večer

DATUM

Dne:

SIGILLUM ET NOMEN MEDICI

razítko poskytovatele, jmenovka, podpis a telefon lékaře

Připravil:	Vydal:
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¹⁾ Vyplňuje se povinně v případě zvýšené úhrady.

MEDICAL PRESCRIPTION: STRUCTURE



INSCRIPTIO

PERSONALIA AEGROTI

INVOCATIO

Rp. = Recipe = take!

ORDINATIO:
PRAESCRIPTIO

<i>Natrii bromati (bromatis)</i>	6,0
<i>Phenobarbitali</i>	0,6
<i>Sirupi Menthae</i>	60,0
<i>Aquae destillatae</i>	ad 300,0

rem. cardinale
rem. adiuvens
rem. corrigens
rem. constituens

SUBSCRIPTIO

M. f. mixt. = *Misce fiat mixtura* = Mix (the ingredients) to make a mixture (literally: so that a mixture is made)

SIGNATURA

D. S. = *Da. Signa.* = Give! Sign! *Jedna lžička třikrát denně po jídle.*
(= One tablespoon 3 times a day after meal).

MAGISTRALITER

= INDIVIDUALLY PREPARED MEDICATIONS



- Rp. RECIPE
- *Kalii iodidi*
- *Anisi spiritus compositi* ANA (PARTES AEQUALES) aa 5,0
- *Aquae purificatae* ad 200,0
- M. f. sol. MISCE FIAT SOLUTIO
- D. S. 3krát denně jednu lžici.

GENITIVES!
(expressing
How much
OF...)

EXPECTORANS

SPECIALITATES = READY-MADE MEDICATIONS



- Rp. RECIPE
PULVIS ADSPERSORIUS
- *Framykoin plv. ads. 1 x 20 gm*
EXPEDITIONES ORIGINALES
- Exp. orig. No. II (duas)
DA. SIGNA.
- D. S. *Aplikovat 2krát denně na
postižená místa po dobu 10 dnů.*

ACCUSATIVE!

ANTIBIOTICUM

MEDICAL PRESCRIPTION: REVISION



- What are the introductory and the concluding Latin formulae in a prescription?
- Which part of a prescription is not in Latin? Why?
- What is the difference between an individually prepared and a ready-made prescription?
- Which cases of nouns are used in medical prescriptions? For what reason?
- Which Latin abbreviation is used to express the number of original packages of a particular medication?

**PUT THE LINES IN THE CORRECT ORDER
AND READ THE PRESCRIPTION (Handout 9.7, task 1)**



IMMUNOSTIMULANS

Exp. orig. No. I (unam)

Rp.

Imunor p. o. 4 x 10 mg

D. S. Dle rozpisu.

**PUT THE LINES IN THE CORRECT ORDER
AND READ THE PRESCRIPTION (Handout 9.7, task 1)**



GYNAECOLOGICUM

D. ad scat.

Acidi borici pulv. 100,0

Rp.

*S. Jednu lžici na litr teplé vody
k výplachům.*

FILL IN MISSING TERMS AND TRANSLATE
(Handout 9.7, task 2)



HYPNOTICUM

Rp.

Amobarbitali *0,15*

Codeinii dihydrogenphosphorici *0,03*

Aminophenazoni *0,25*

Olei cacao q. _____ ut _____ supp.

D. _____ d. _____ VI (sex)

S. Na noc zavést 1 čípek

FILL IN MISSING TERMS AND TRANSLATE
(Handout 9.7, task 2)



ANTIDEPRESSIVUM

_____ *Asentra 50 tbl. p. o. 28 x 50 mg*

_____ *orig.* _____ *IV (quattuor)*

D. _____ *2 tablety denně.*

**GIVE FULL FORMS OF THE UNDERLINED ABBREVIATIONS
AND TRANSLATE THE TERMS (Handout 9.7, task 3)**



ANALGETICUM + ANTIPYRETICUM

Rp.

Acidi acetylsalicylici

Paracetamoli

aa 0,3

Codeinii dihydrogenphosphorici

0,02

Coffeini cum natrio benzoico

0,1

Magnesii oxydati

0,05

M. f. pulv.

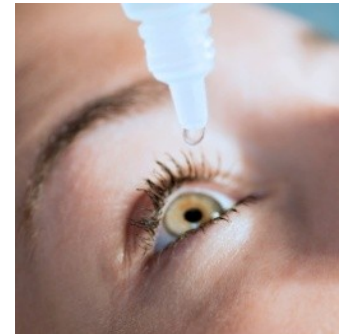
D. t. d. No. XX (viginti) ad caps.

S. 3krát denně 1 prášek.

FORMS OF PHARMACEUTICAL PREPARATIONS AND AGENTS (cf. Handout 9.7, task 4)



**pulvis (adpersorius) ~ suppositorium ~ guttae ~ unguentum ~
tabuleta ~ infusio ~ species ~ globulus ~ capsula**



PARTS OF PLANTS USED IN PHARMACOLOGY



folium ~ resina ~ herba ~ flos ~ radix ~ lignum ~ fructus



**FIND MISTAKES IN THE TERMS IN RED
AND MAKE ABBREVIATIONS OF THEM**



ANTACIDUM

Rp.

<i>Extracti belladonnae sicci</i>	<i>0,4</i>
<i>Papaverinii chlorati</i>	<i>1,0</i>
<i>Magnesii oxydati</i>	<i>20,0</i>

Misce fiant pulvis

M. f. pulv./plv. = misce fiat pulvis

Divide in doses aequalem numerus XX (viginti) ad capsulos

*Div. in dos. aeq. No. XX (viginti) ad caps. = divide in doses
aequales numero viginti ad capsulas*

D. S. 3krát denně 1 prášek mezi dvěma jídly.

INTERPRET (Handout 9.7, task 5)



Rp.

Acidi acetylsalicylici

Paracetamoli

aa 0,3

Codeinii dihydrogenphosphorici

0,02

Coffeini cum natrio benzoico

0,1

Magnesii oxydati

0,05

M. f. pulv.

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

S. 3krát denně 1 prášek.

**ANALGETICUM +
ANTIPYRETICUM**

Rp.

Aminophyllini

1,8

Olei cacao q. s. ut f. supp.

D. t. d. No. VI (sex)

S. 2krát denně zavést 1 čípek do konečníku.

DIURETICUM

INTERPRET (Handout 9.7, task 5)



Rp.

Ureae 40,0

Acidi lactici 1,0

Ung. lanalcoli 20,0

Cerae albae 5,0

Vaselini albi ad 100,0

M. f. ung. Týden používat v okluzním obvazu na nehty
před aplikací antimykotik.

ANTIMYCOTICUM

Rp.

Framykoin plv. ads. 1 x 20 gm

Exp. orig. No. II (duas)

D. S. Aplikovat 2krát denně na postižená místa po dobu
10 dnů.

ANTIBIOTICUM

CHANGE INTO PLURAL



- | | |
|--------------------------------|---------------------------------|
| • tuba originalis | tubae originales |
| • remedium expectorans | remedia expectorantia |
| • dosis pro adulto | doses pro adultis |
| • flos tiliae | flores tiliae |
| • solutio physiologica | solutiones physiologicae |
| • pars aequalis | partes aequales |
| • suppositorium rectale | suppositoria rectalia |
| • pulvis adspersorius | pulveres adspersorii |

WRITE DOWN MEDICAL PRESCRIPTIONS

(Handout 9.7, task 8)



- 2** a) A fifty-year old woman suffers from chronic bad headache with no reason identified. Prescribe her capsules made of 0,005 g of diazepamum; 0,02 g of phenobarbitalum; 0,1 g of coffeinum; and 0,2 g of paracetamololum. The vehicle is lactose (*lactosum*) up to 0,5 grams. The pharmacist should make a powder. Make 50 doses in the form of gelatine capsules (*gelatinosus, a, um*). The patient should take one capsule if needed, max. twice a day. The medication should be marked as poison.
- b) A hard smoker suffers from chronic bronchitis and needs to expectorate the mucus from his bronchial tubes. Prescribe him mucolytics: one package of Mucosolvan drops. The patient should take 30 drops every three hours.



a) Rp.

Diazepami 0,005

Phenobarbitali 0,020

Coffeini 0,100

Paracetamoli 0,200

Lactosi ad 0,5

M. f. plv.

D. t. d. No. L (quingaginta)

D. ad caps. gelat.

D. S. One capsule if needed, max. twice a day. S. s. v.

b) Rp.

Mucosolvan gtt.

Exp. orig. No. I (unam)

D. S. 30 drops every 3 hours.

WRITE DOWN MEDICAL PRESCRIPTIONS

(Handout 9.7, task 8)



- 3** a) A five-year old child has been received at the hospital with very high fever caused by acute inflammation of urinary bladder. One of the best ways how to lower the fever of children is via paracetamol suppositories (*Suppositoria paracetamoli*). These should be made by pharmacist of 10 grams of paracetamol + 30 grams of adipis solidi as adjuvant remedy. 20 of them should be made in equal doses. The instructions for the patient are to take one suppository every 6 hours if the fever reaches 38,5°C.
- b) The patient suffers from acute pneumonia, but is allergic to penicilline antibiotics. Therefore, two original packages of klaritromycine antibiotics Klacid 500 mg have to be prescribed in the form of coated tablets. The patient should take one tablet every 12 hours for two-three weeks.



a) Rp.

Paracetamoli 10,0

Adipis solidi 30,0

M. f. supp.

Div. in dos. aeq. No. XX (viginti)

D. S. One suppository every 6 hours if the fever reaches 38.5°C.

b) Rp.

Klacid 500 mg tbl. obd.

Exp. orig. No. II (duas)

D. S. One tablet every 12 hours for 2-3 weeks.

WRITE A PRESCRIPTION



- 1** a) A 16-year old boy suffers from severe acne and irritated complexion. Prescribe him an effective suspension made of 85% of zinc oxide (so-called fluid powder – *Suspensio zinci oxidi*) mixed with talcum and glycerole (talci; glyceroli). The stabilizator is the bentonite magma (*bentoniti magma*) up to 100 grams. The patient should rub the suspension into his skin three times a day. Shake before using.
- b) A 25-year old woman was received at the emergency with itching urticaria (nettle-rash) on both hands and knees. Prescribe her antihistaminics to relieve her from the symptoms: three packages of Dithiaden tablets. The patient should take half a tablet twice a day.



a) Rp.

Zinci oxidi

Talci

Glyceroli 85%

Bentoniti magmatis ad 100,0

M. f. susp.

D. S. Rub into the skin three times a day. Shake before using.

b) Rp.

Dithiaden tbl.

Exp. orig. No. III (tres)

D. S. Half of the tablet twice a day.