

#1

FSC 3503 NDC 58887-115-30  
6505-01-318-7398

**Anafranil®** 25 mg  
clomipramine hydrochloride

EXP  
LOT

Dosage: See package insert.

BASEL Pharmaceuticals  
Division of CIBA-GEIGY Corp.  
Summit, NJ 07901



Do not store above 86°F (30°C).  
Protect from moisture.



634002 3 58887-115-30 1

Order is for  
50 mg.

How many tablets  
should you give  
the patient?

1 tablet = 25 mg

$$50 \text{ mg} \times \frac{1 \text{ tablet}}{25 \text{ mg}} = 2 \text{ tablets}$$

Opt.

x2

ROERIG   
A Division of Pfizer Inc., N.Y., N.Y. 10017

NDC 0662-2100-66  
100 Tablets  
**Antivert**<sup>®</sup>  
meclizine HCl  
12.5 mg

CAUTION: Federal law prohibits dispensing without prescription.

ROERIG   
A Division of Pfizer Inc., N.Y., N.Y. 10017

RECOMMENDED STORAGE  
STORE BELOW 86°F (30°C)  
Dispense in light, light  
resistant containers (USP)  
READ ACCOMPANYING  
PROFESSIONAL  
INFORMATION.

USUAL DOSAGE  
MOTION SICKNESS: 25 mg to  
50 mg daily.  
VERTIGO: 25 mg to 100 mg in  
divided doses daily depending on  
the clinical response.  
Pfizer Pharmaceuticals, Inc., Barcelona, P.R. 00817

4864

Order is for 50 mg.  
How many tablets  
should you give the  
patient?

1 tablet = 12.5 mg

$$50 \text{ mg} \times \frac{1 \text{ tablet}}{12.5 \text{ mg}} = 4 \text{ tablets}$$

2.5

## Dosage by Body Weight

ex. Order: 10 mg per kg

Patient weighs 60 kg.

How many mg do you give her?

$$\frac{\text{mg}}{\text{kg}} \rightarrow \text{mg}$$

$$\frac{10 \text{ mg}}{1 \text{ kg}}$$

60 kg

$$60 \text{ kg} \times \frac{10 \text{ mg}}{1 \text{ kg}} = 600 \text{ mg}$$

2.6

# Calculating Dosage by Body Surface Area

Formulas:

$$BSA = \sqrt{\frac{\text{weight in kg} \times \text{height in cm}}{3600}}$$

in  $m^2$

$$BSA = \sqrt{\frac{\text{weight in pounds} \times \text{height in in}}{3131}}$$

in  $m^2$

Shortcut,  
use table

#2.7

# Nomogram

BSA can also be approximated by using nomograms. As Figure 6.6 shows, if a straight line is drawn on the nomogram from the patient's height (left column) to the patient's weight (right column), the line will cross the center column at the approximate BSA of this patient.

(ex) weighs  
80 kg & is  
180 cm tall.  
Find BSA?

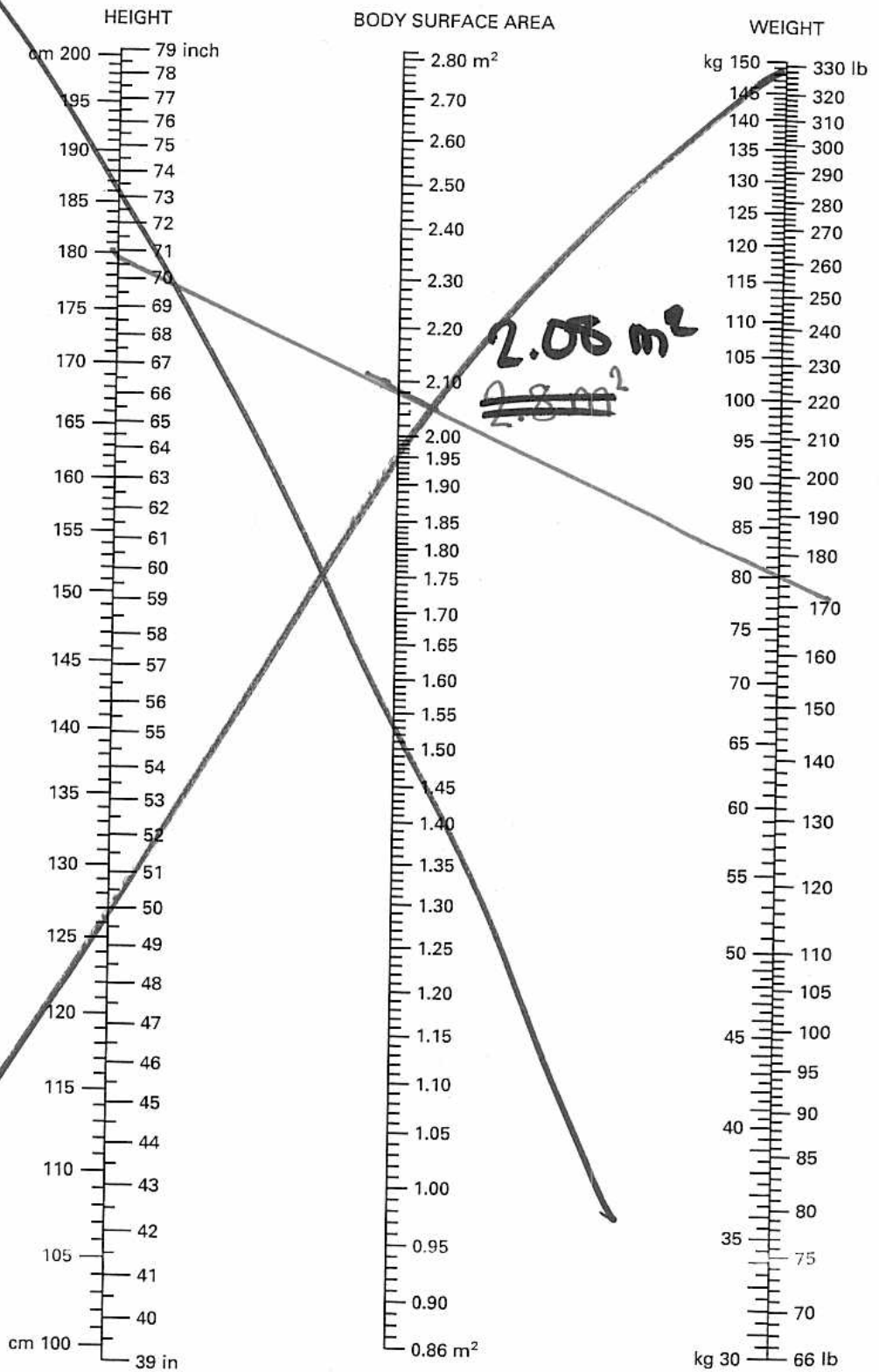


Figure 6.6 Adult nomogram. Source: From Davis's Drug Guide for Nurses, 5th ed. (p. 1276) by J. H. Deglin and A. H. Vallerand, 1997, Philadelphia: Davis.

#2.8

ex. order: 15 mg/m<sup>2</sup>

Patient is 70 in. & 190 lbs

How many mg do you prepare

BSA = 2.10 m<sup>2</sup>  
(from nomogram)

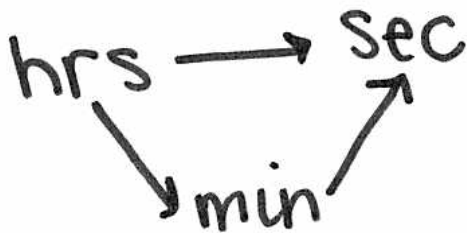
$\frac{\text{mg}}{\text{m}^2} \rightarrow \text{mg}$

$$\frac{15 \text{ mg}}{\text{m}^2} \times 2.10 \text{ m}^2 = 31.5 \text{ mg}$$

~~2~~ 3

# Multi-step Conversions

ex. Convert 4 hrs to sec.



60 min = 1 hr  
60 sec = 1 min

$$4 \text{ hr} \times \frac{60 \text{ min}}{1 \text{ hr}} = 240 \text{ min}$$

$$240 \text{ min} \times \frac{60 \text{ sec}}{1 \text{ min}} = 14400 \text{ sec}$$

Shortcut.

$$4 \text{ hr} \times \frac{60 \text{ min}}{1 \text{ hr}} \times \frac{60 \text{ sec}}{1 \text{ min}} = 14400 \text{ sec}$$

#4

order is for  $\frac{1}{6}$  gr.  
How many tablets  
Should they get?

EXP

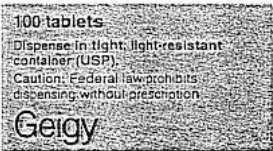
LOT

Store between 59°-86°F (15°-30°C).  
Dosage: See package insert.

Ciba-Geigy Corporation  
Pharmaceuticals Division  
Summit, NJ 07901

NDC 0028-0105-01 FSC 2301  
6505-01-039-2808

**Brethine® 5mg**  
terbutaline sulfate tablets USP



PHARMACIST: Container closure is  
not child-resistant.  
Keep this and all drugs out of the  
reach of children.



644393

First: how many mg?

$$\frac{1}{6} \text{ gr} \times \frac{60 \text{ mg}}{1 \text{ gr}} = 10 \text{ mg}$$

Second: how many tablets?

$$10 \text{ mg} \times \frac{1 \text{ tablet}}{5 \text{ mg}} = \boxed{2 \text{ tablets}}$$

OR

$$\frac{1}{6} \text{ gr} \times \frac{60 \text{ mg}}{1 \text{ gr}} \times \frac{1 \text{ tablet}}{5 \text{ mg}} = \boxed{2 \text{ tablets}}$$

#5

EXP  
LOT

NDC 0028-0151-82 FSC 2265

**Cataflam<sup>®</sup> 50 mg**  
diclofenac potassium

Physician Sample - Not for Sale

30 tablets  
Caution: Federal law prohibits  
dispensing without prescription.  
**Geigy**

Do not store above  
86°F (30°C).  
Dosage: See package  
insert.  
Mfd. by:  
Ciba-Geigy Limited  
Basle, Switzerland  
Dist. by:  
Geigy Pharmaceuticals  
Ciba-Geigy Corporation  
Ardsley, NY 10502

Keep this and all drugs out of the reach of children.

0028-0151-82  
893711

order is for  
2 mg per kg.  
Patient weighs 50 kg.  
How many tablets?

First: Find mg?

$$2 \text{ mg} = 1 \text{ kg}$$

$$50 \text{ kg} \times \frac{2 \text{ mg}}{1 \text{ kg}} = 100 \text{ mg}$$

Second: How many tablets?

$$100 \text{ mg} \times \frac{1 \text{ tablet}}{50 \text{ mg}} = \boxed{2 \text{ tablets}}$$

OR

$$50 \text{ kg} \times \frac{2 \text{ mg}}{1 \text{ kg}} \times \frac{1 \text{ tablet}}{50 \text{ mg}} = \boxed{2 \text{ tablets}}$$