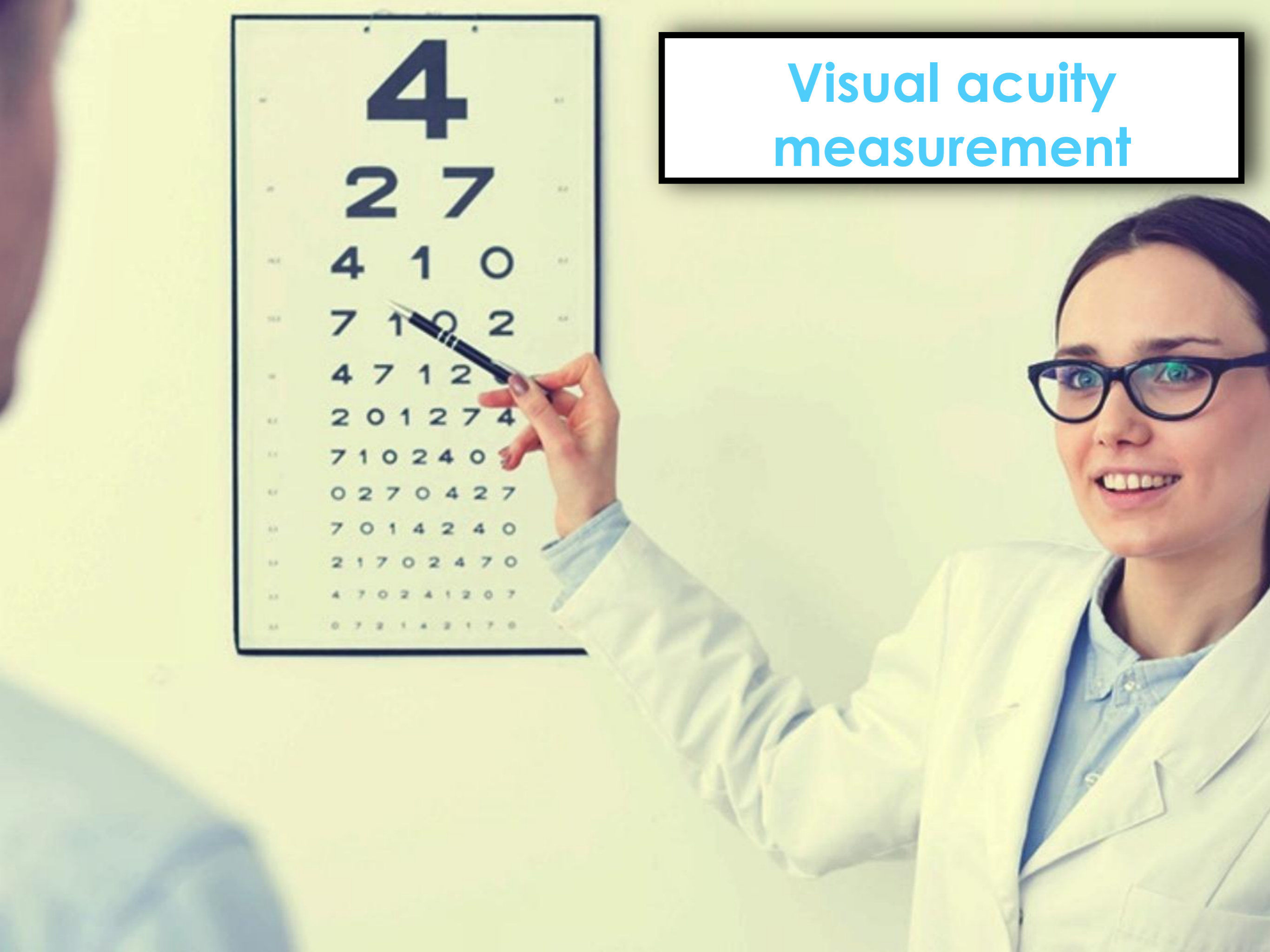


VISION LOSS



By Mohammed suhail
AlSalam

Visual acuity measurement



Visual acuity measurement

Box 1.2 An approach to measuring VA

Select (and document)
appropriate test (see Table 1.1)

Check distance acuity
(for each eye)

Check near acuity (for each eye)
(where appropriate)

Consider age, language, literacy, general
faculties of patient

Unaided

With distance prescription

With pinhole (if <0.2 LogMAR, $<6/9.5$)

Unaided

With near prescription

Acuity

Acuity



Examination :

Visual acuity is recorded
as :

Numerator

Denominator

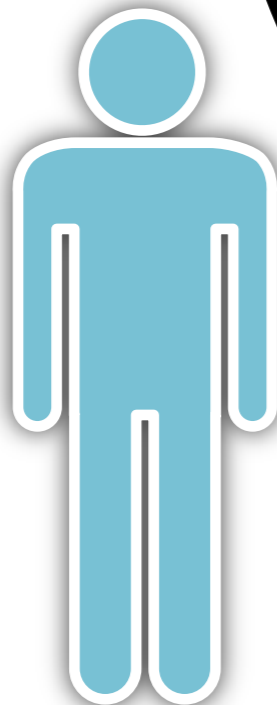


Examination :

Visual acuity is recorded
in :

Distance
between
the patient
and the
chart

Numerator



In METERS

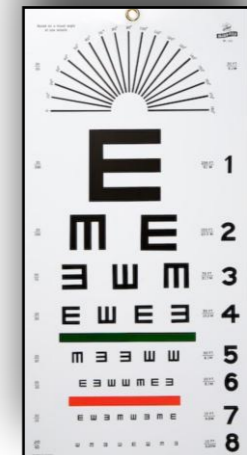


Examination :

Visual acuity is recorded
in :

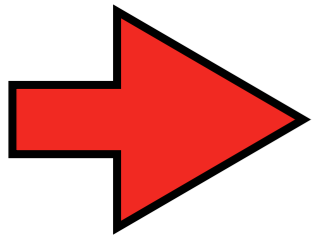
Denominator

The
Smallest
Raw seen



Examination :

If the pat. can't see the largest symbol on the chart **then:**



bring the chart closer to the patient to 1 Meter



Counting Finger



Hand movements



light perception and projection

Counting Finger

How many fingers do I hold? ?



Hand movements

Do you see anything moving
??



Example :

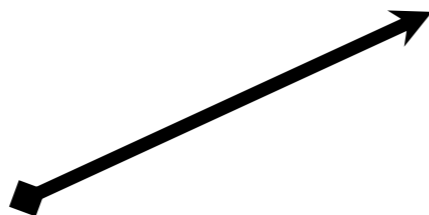
What do we mean by the followings:

V.A
6 \ 60

The patient is placed 6 meters
from the chart

The smallest symbol seen is
60

V.A
6 \ 60



6/60

6/30

6/20

6/15

6/12

6/9

6/8

6/6

E

F P

T O Z

L P E D

P E C F D

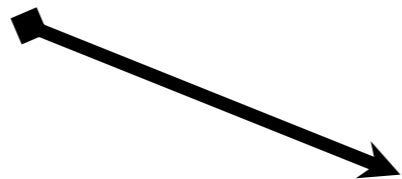
E D F C Z P

F E L O P Z D

D E F P O T E C

Hold 1 metre away from patient

V.A
6\12



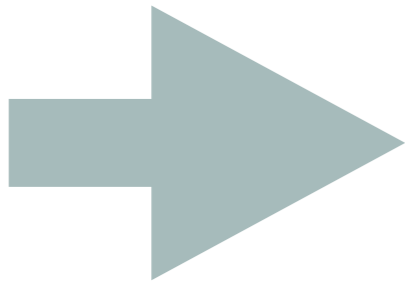
6/60	E
6/30	F P
6/20	T O Z
6/15	L P E D
6/12	P E C F D
6/9	E D F C Z P
6/8	F E L O P Z D
6/6	D E F P O T E C

Hold 1 metre away from patient

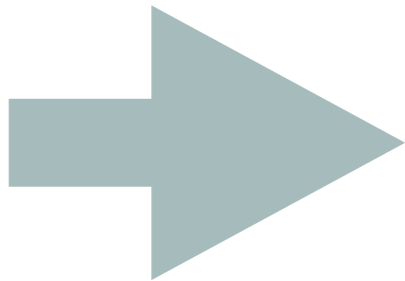
V.A
H.M 1M

The patient is only able to see
Hand moving at one meter
distance

Causes of visual loss



Sudden



Gradual

Causes of visual loss

Sudden

Painless

Vitreous haemorrhage
Central retinal artery occlusion
Central retinal vein occlusion
Retinal detachment

Painful

Acute angle closure glaucoma
Keratitis
Optic neuritis


Causes of visual loss

Gradual

Progressive Pterigium
Acquired Cataract
Diabetic maculopathy
Age related macular degeneration
Optic atrophy



References:



Kiniski clinical
ophthalmology
Oxford handbook
of ophthalmology



THANK

YOU

