

IMC 16

DUBLIN · IRELAND



16th International Mobility Conference

'Transitions; moving on, moving out'

www.IMC16.com

26 - 30 June 2017, Trinity College, Dublin, Ireland

INFORMAL FIELD ASSESSMENTS FOR ORIENTATION AND MOBILITY:

EARLY WARNING OR PERIPHERAL CONSTRICTION FIELD ASSESSMENTS

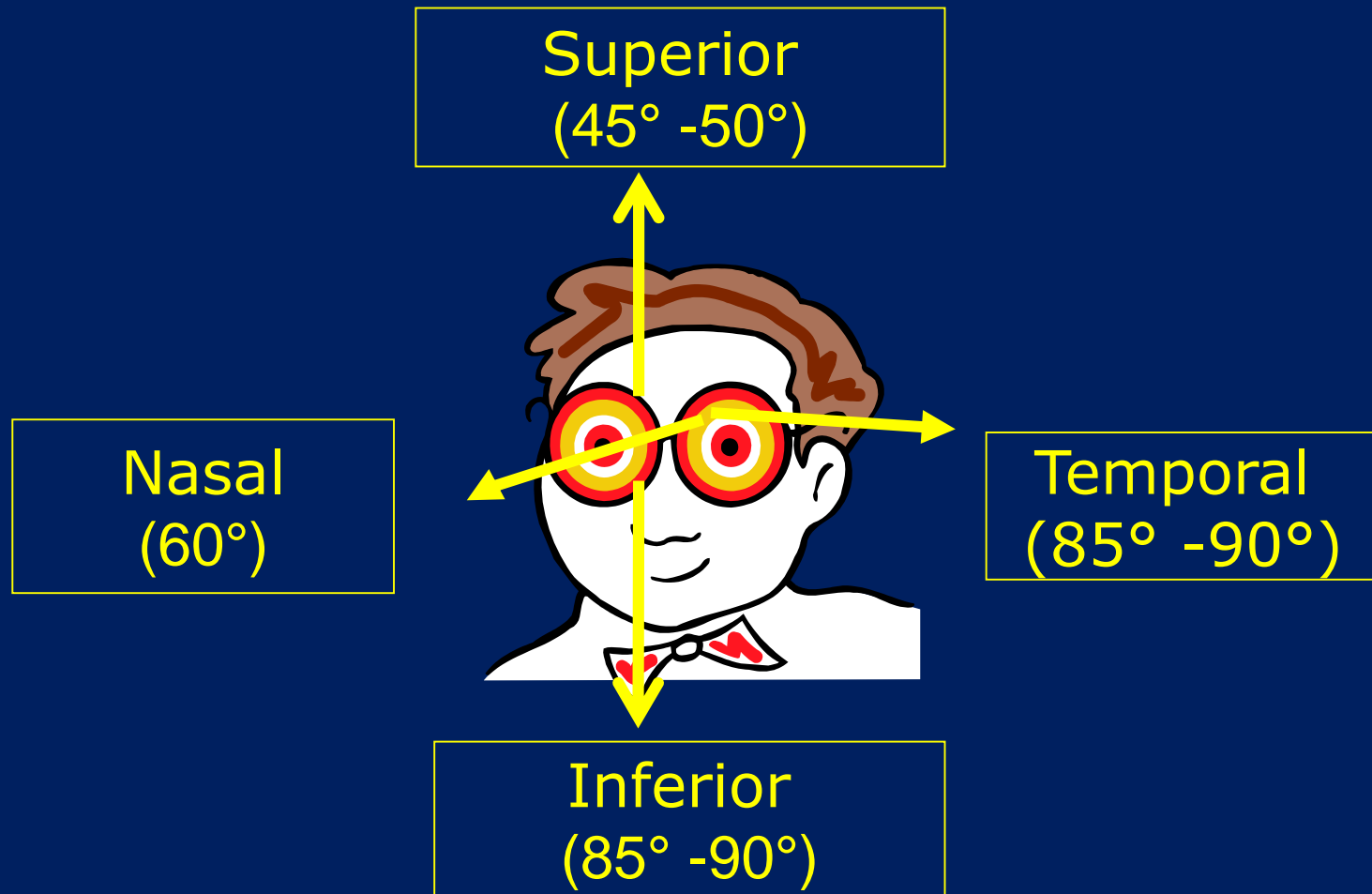
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16th International Mobility Conference

June 26th -30th, 2017

Dublin, Ireland

NORMAL VISUAL FIELDS



VISUAL FIELD ASSESSMENTS

- 4 Visual Field Assessments:
 - Static Visual Field
 - Visual Fields at Near
 - Peripheral Constriction or Early Warning Visual Field
 - Preferred Visual Field

Adapted by ASDB's Low Vision Program,
from:

Geruschat, Duane, and Audrey J. Smith.
"Low Vision and Mobility." *Foundations
of Orientation and Mobility*. By Bruce B.
Blasch, William R. Wiener, and Richard
L. Welsh. 2nd ed. New York, NY: AFB,
1997. 60-103.

EARLY WARNING OR PERIPHERAL CONSTRICTION



Picture courtesy of Dr. Irene Topor

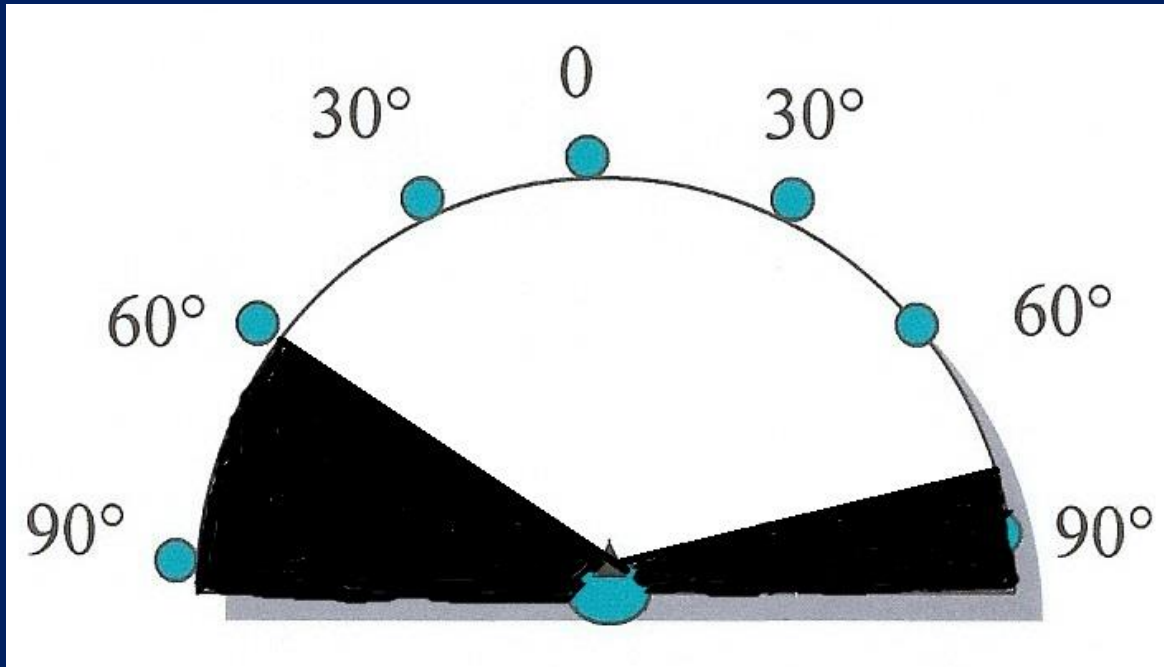
EARLY WARNING OR PERIPHERAL CONSTRICTION



Assessment template created by Jan Smith and Kathryn Botsford, 1997

EARLY WARNING OR PERIPHERAL CONSTRICTION

- See Directions on Recording Sheet Using Template.



EARLY WARNING OR PERIPHERAL CONSTRICTION

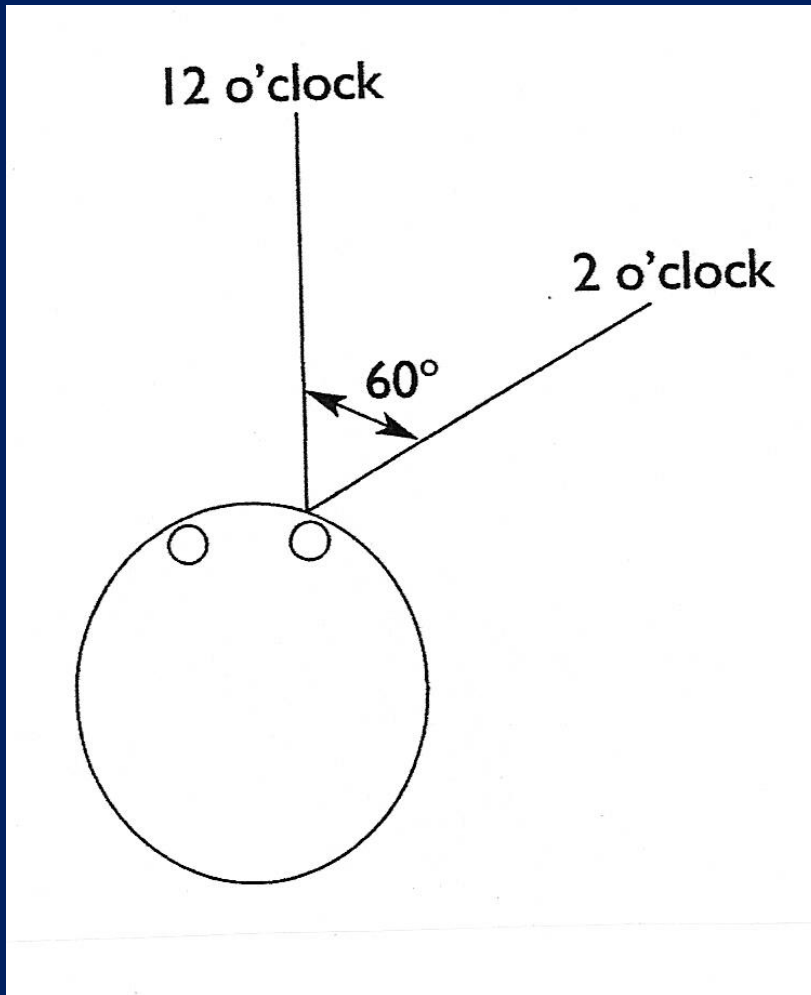
➤ Excerpt from report using template:

“Ashley first detected a person walking a straight line parallel to her line of sight on her right when the person was about 80 degrees from her midline and on her left at about 60 degrees from midline.”

EARLY WARNING OR
PERIPHERAL CONSTRICTION

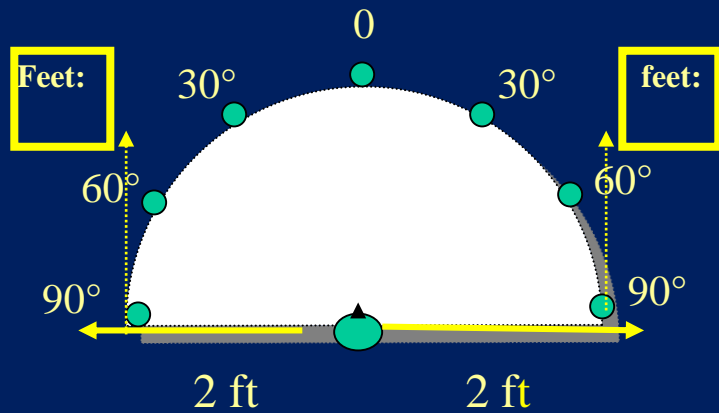
USING LINEAR MEASUREMENT
CONVERTING FEET TO DEGREES.

Estimating Visual Fields



Each clock hour away from 12:00 represents 30 degrees.

EARLY WARNING OR PERIPHERAL CONSTRICTION- LINEAR MEASUREMENT

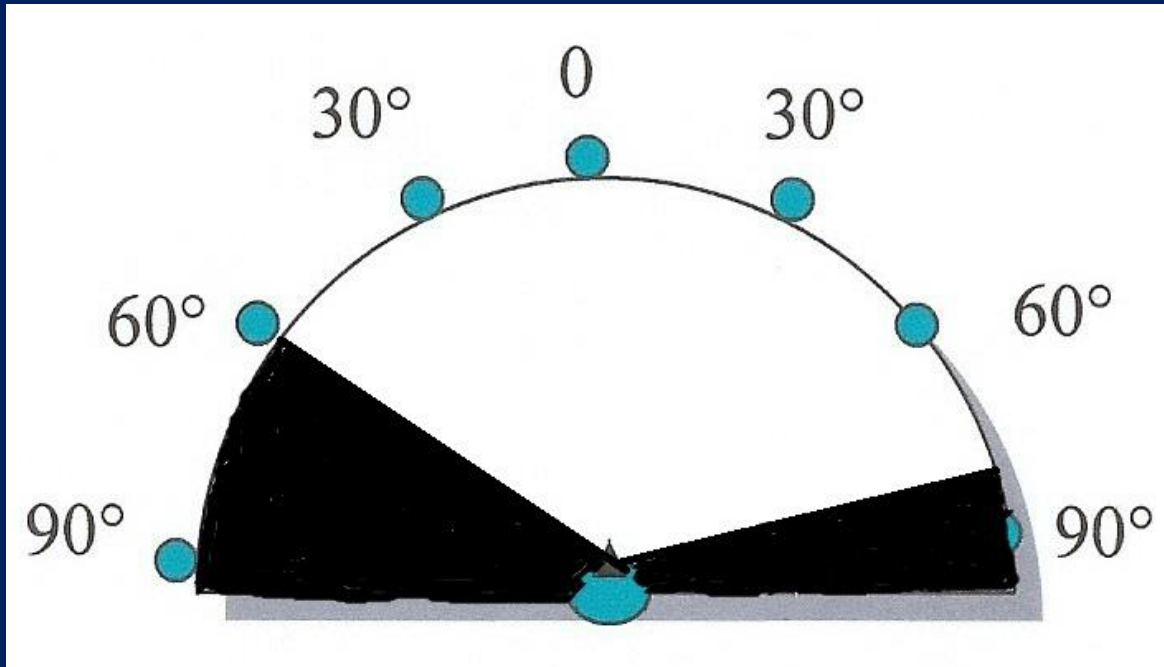


*These linear measurements roughly correspond to degrees of remaining visual field if the person passing the student is walking a straight line approximately 2 feet parallel to the student's line of sight on either his right or left side and should not be used at any other distance.

Feet*	Degrees from Midline
0	~90
1/2	~80
3/4	~70
1	~65
1 1/2	~55
2	~45
2 1/2	~40
3	~35
3 1/2	~30
4	~25
4 1/2 -5	~20
6-7	~15
8-10	~10
11-15	~5

EARLY WARNING OR PERIPHERAL CONSTRICTION

- See Directions on Recording Sheet Using Linear Measurements.



EARLY WARNING OR PERIPHERAL CONSTRICTION

➤ Excerpt from report using linear measurements:

“Ashley first detected a person on her right walking a straight line parallel to her line of sight when the person was about a 1/2 foot ahead of her. She had slightly less awareness on her left as the person walked almost foot before being detected. This would indicate Ashley has about a 80 degree visual field on her right and about 65 degrees on her left.”

REFERENCES

Erin JN, Topor I. Functional vision assessment of children with low vision, including those with multiple disabilities. In: Corn AL and Erin JN, eds. *Foundations of Low Vision: Clinical and Functional Perspectives*. 2nd ed. New York, NY: AFB Press; 2010:339-389.

THANK YOU-QUESTIONS



THANK YOU!!

And Always Remember...

Functional visual field assessments are critical in providing O&M services for your students and clients.

CONTACTS

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