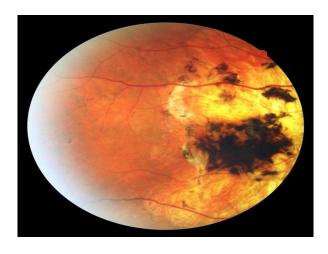
	Ro	le of	the		
O	phthal	mic '	Tecl	ınici	ar
in	Vision	Reh	ahil	itati	٥n

Joe Fontenot MD, CLVT

Disclosure

Dr. Fontenot has nothing to disclose



CSVR COMMUNITY SERVICES for VISION REHABILITATION

Joe Fontenot, M.D. Cheri Glaus, O.D.

MISSION

To provide accessible, compassionate, modern, comprehensive and multidisciplinary care to those with vision loss

Techs doing more

"Ophthalmic techs are doing more now.

In the past, Ophthalmologists took primary responsibility for all three phases of eye care: (1) assessment and diagnosis (2) medical/surgical treatment (3) patient education "

Amer. Academy of Ophthalmic Executives 2011 www.aao.org/aaoesite

What is low vision?

IMPAIRED VISION

Interfering with normal activities

NOT CORRECTED

by standard eye care or glasses

NORMAL

20/12 to 20/25

LOW VISION

20/50 to 20/1000

Moderate

20/50 to 20/160

Severe

20/200 to 20/400

Profound

20/500 to 20/1000

NEAR BLIND 20/1200 to 20/2500

BLIND

NO LIGHT PERCEPTION

LEGAL BLINDNESS

in US-20/200 or Visual field 20 degrees or less

BLINDNESS

VISION SUBSTITUTION

LOW VISION

VISION ENHANCEMENT

TYPES

Generalized
CENTERAL
Peripheral

WHAT DO THOSE WITH LOW VISION SEE?













Scotoma				
VISUAL SKILLS (PRL) TRAINING				
Learning how to move the blind spot to see better				
COT CAT				











IMPACT

CANNOT:

- READ
- DRIVE
- RECOGNIZE FACES
- PERFORM MANY DAILY ACTIVITIES

LEADING TO

- DEPRESSION, ISOLATION
- LOSS of INDEPENDENCE
- FALLS, ACCIDENTS
- MEDICATION ERRORS
- HALLUCINATIONS and PANIC ATTACKS
- INCREASED MORTALITY

GRIEF

- DENIAL
- **GUILT**
- ANGER
- DEPRESSION
- ADAPTATOPM

DEPRESSION

3X as common More if functional limitations, less if none

Charles Bonnet

Visual hallucinations, common (10-20%) in patients with vision loss, esp. with ARMD Formed, often frequent Usually not volunteered by pt.

Charles Bonnet was a naturalist who, in 1769 described the hallucinations experienced by his visually impaired and cognitive intact grandfather.



WHAT DO WE DO?

1ST visit

- HISTORY
- FUNCTIONAL VISION EVALUATION

HISTORY

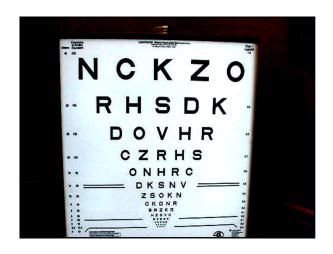
- EYE DISEASE and EVENTS
- CESSATION or LIMITATION of ROUTINE ACTIVITIES –DRIVING, READING, COMPUTER USE, etc.
- GOALS and CAPABILITIES
- GENERAL HEALTH, ACTIVITY
- MOTIVATION

FUNCTIONAL VISION EVALUATION

VISUAL FUNCTION

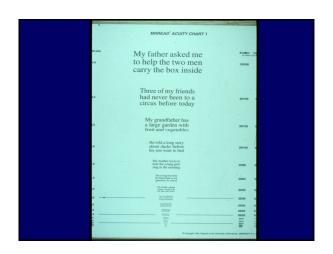
- ACUITY
- FIELD/SCOTOMA
- CONTRAST SENSITIVITY
- SCANNING/OCULOMOTOR
- GLARE SENSITIVITY
- COGNITION/PROCESSING

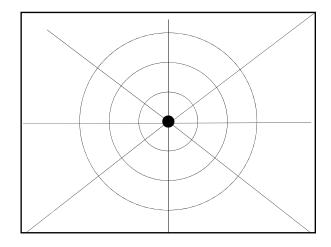
-			
-			
-			
-			
-			
-			
-	 	 	
_			
-			
-			
_			
-			
-			
_			
_			
_			
-			
_			
_			

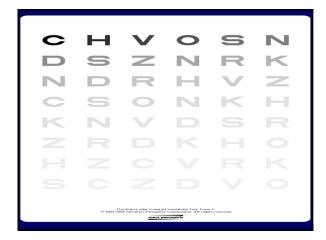


OTHER TESTS

- •TIMED READING TEST
- CONTRAST SENSITIVITY
- CENTRAL FIELD









Different patients

■ **Different** TRAINING, DEVICES, et. NEEDED for DIFFERENT DEGREES, TYPES of VISION LOSS or REHAB NOT SUCESSFUL

	_	_	_	_	_	
						_
1 1 1				_ <	/ A \	

20/50 to 20/160

- Improved lighting
- High-plus glasses
- Magnification, optical
- Some non-print (audio)
- Large print

SEVERE

20/200 to 20/400

- Same as moderate, plus
- Increased use of non-print, audio
- Electronic magnification
- Computer screen software for magnification, screen reading

PROFOUND

20/500 to 20/1000

- Optical aids, magnifiers of limited use
- Electronic magnification necessary for reading
- More non-print, tactile, audio
- Early use of Braille and O+M
- Non-GUI computer software

NEAR BLIND and BLIND

- BRAILLE, BRAILLE DEVICES
- WHITE TIP CANE, GPS
- LEADER DOGS
- COMPUTER ACCESS WITH KEYBOARD ONLY

WHAT do We Do?

EDUCATE
RELIEVE FEAR
PROVIDE HOPE

FREE

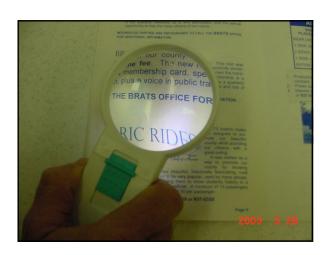
Talking Books
Religious
VA
Sight Savers
State Services





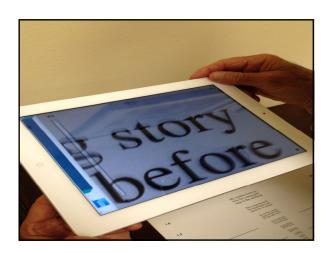








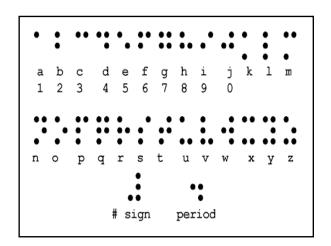














BOTTOM LINE

MUCH CAN BE DONE
TO HELP THOSE WITH
LOW VISION AND TO
ENABLE THEM TO HELP
THEMSELVES

HOW MANY RECEIVE LOW VISION CARE?

Philadelphia, 2006-**16%**Alabama, 2018 - 11%
Baltimore, 2020- 20%

JCAHPO.org online

courses in low vision

Continuing education courses related to low vision

tps://store.jcahpo.org/searchresult s.aspx?categoryid=160 continuing education courses related to low vision https://store.jcahpo.org/detail.a spx?id=LVKT1000

VISION REHAB SERVICES

- Known LOCAL LOW VISION CLINICS
- GOOGLE "LOW VISION CLINIC" for your area
- STATE DEPARTMENT OF REHAB
- GO TO AAO.ORG, ENTER "SMART SIGHT PATIENT HANDOUT"
- <u>WWW.CSVRLOWVISION.ORG</u> "Resources" list
- Sight Savers booth at meeting

Role of
Ophthalmic Tech
Identify patient
Relieve fear, anxiety
Educate, Refer

The end

THANK YOU

QUESTIONS + SUGGESTIONS	