

Field Loss Post TBI

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Disclaimer

OPTOMETRIC PRACTICE

PUBLIC SPEAKING


PRIVATE VT RETREAT
SEMINARS

VISUAL SECRETS AUTHOR

ONLINE COURSES FOR VISION

VP OF COLLEGE OF SYNTONIC
OPTOMETRY

MEMBER AOA INFANTSEE
COMMITTEE

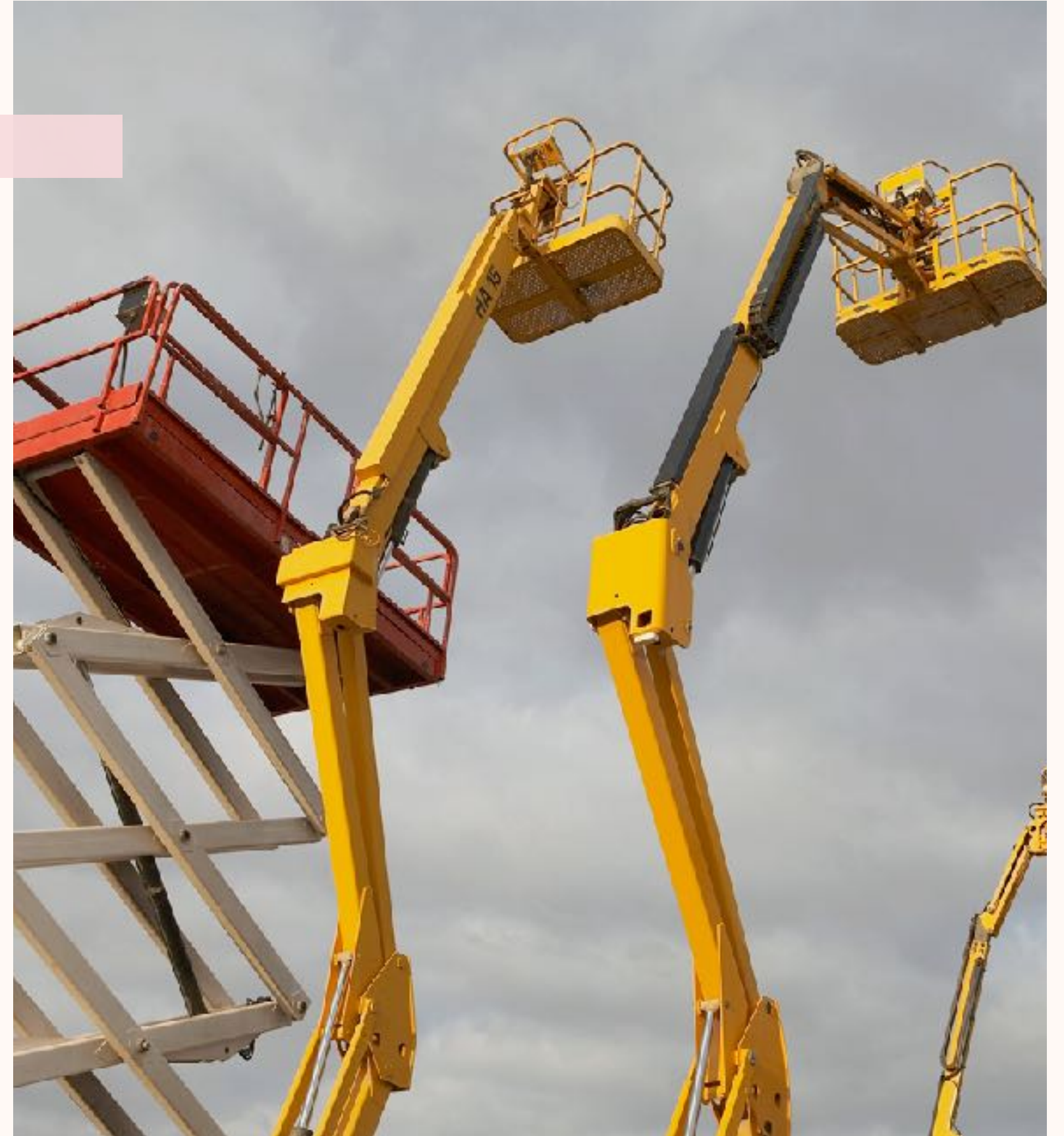


Syntonics improves outcomes for patients with visual field loss post traumatic brain injury

- BRENDA MONTECALVO, OD

Significant visual
field loss after
falling from a
cherry picker.

SYNTONICS AND VISUAL FIELD LOSS



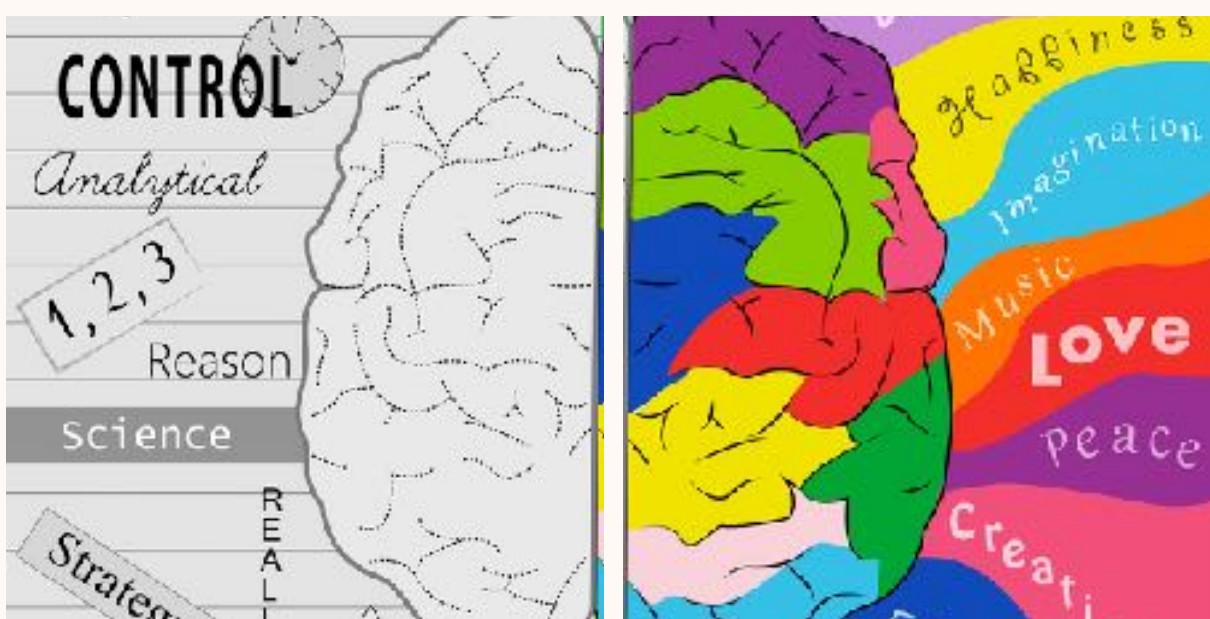
The Case

Right Hemianopsia

Visual Motor Deficiency

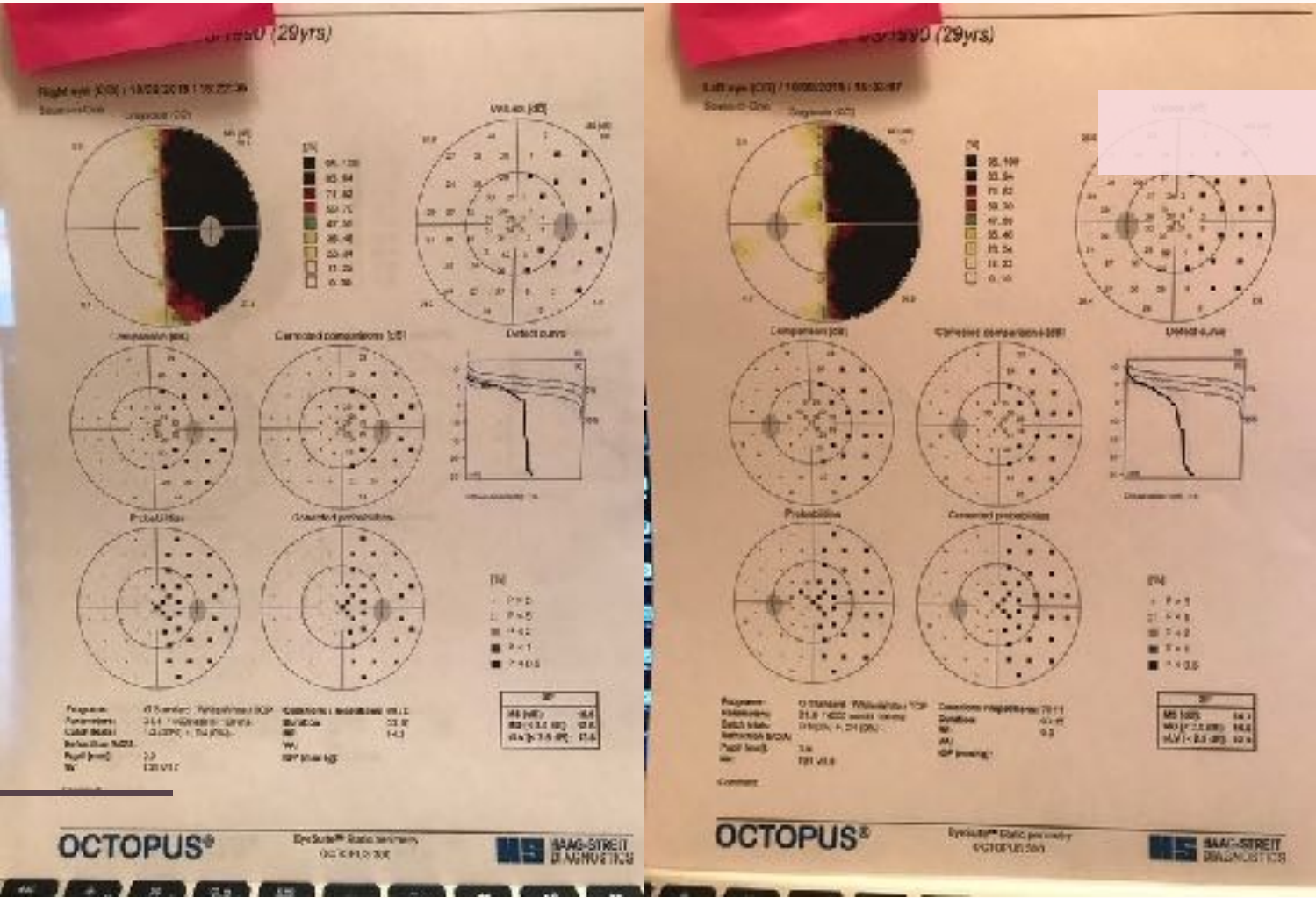
Right hemiparesis

Partial Aphasia

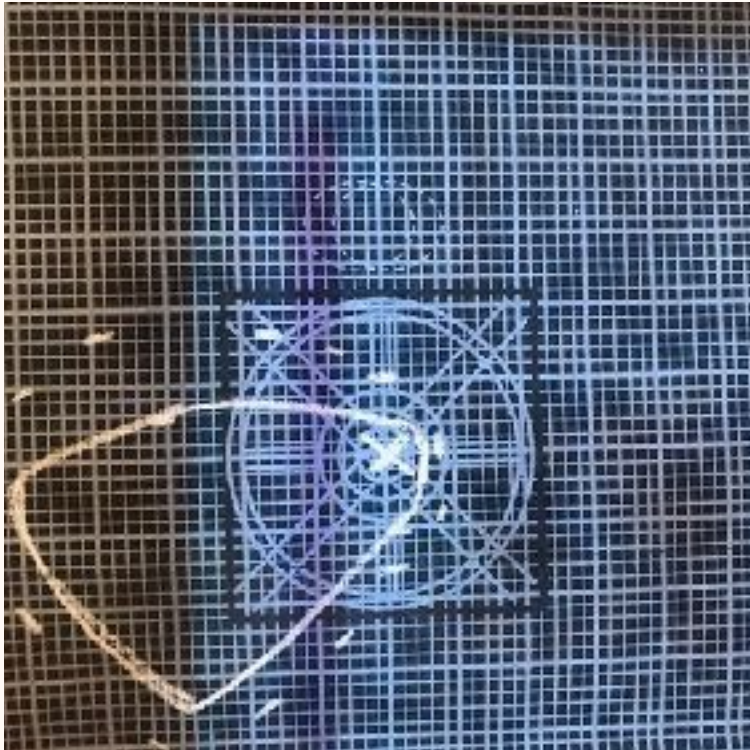


SYNTONICS FIRST, THEN
OPTOMETRIC VISION
THERAPY

Case: Fields



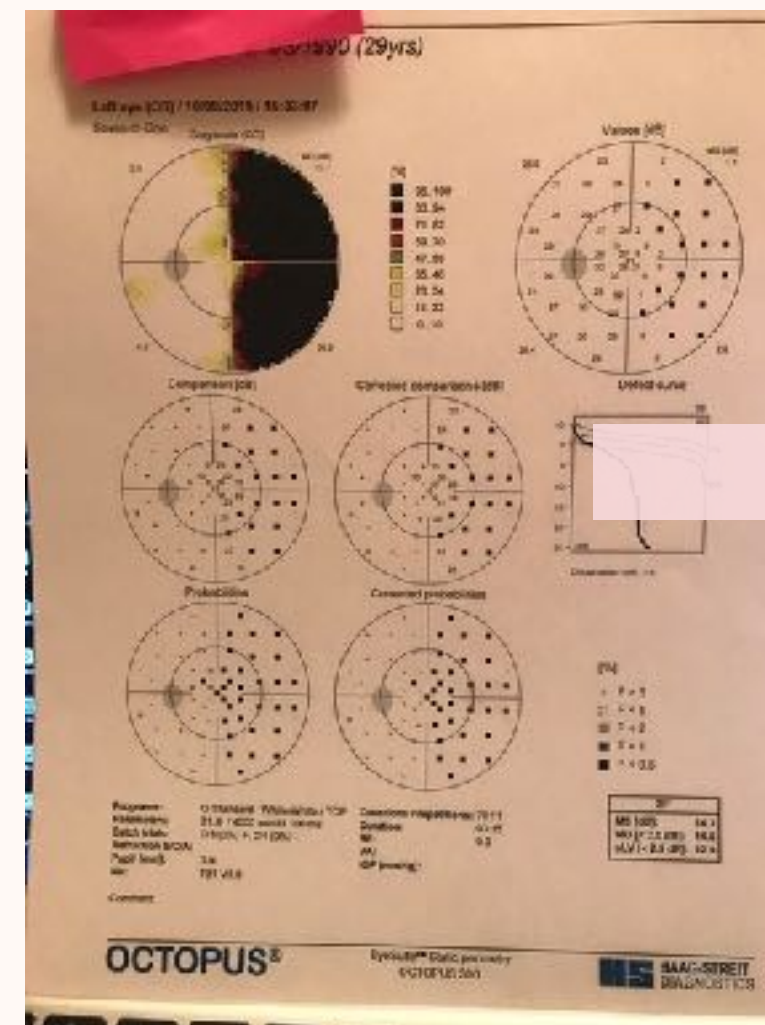
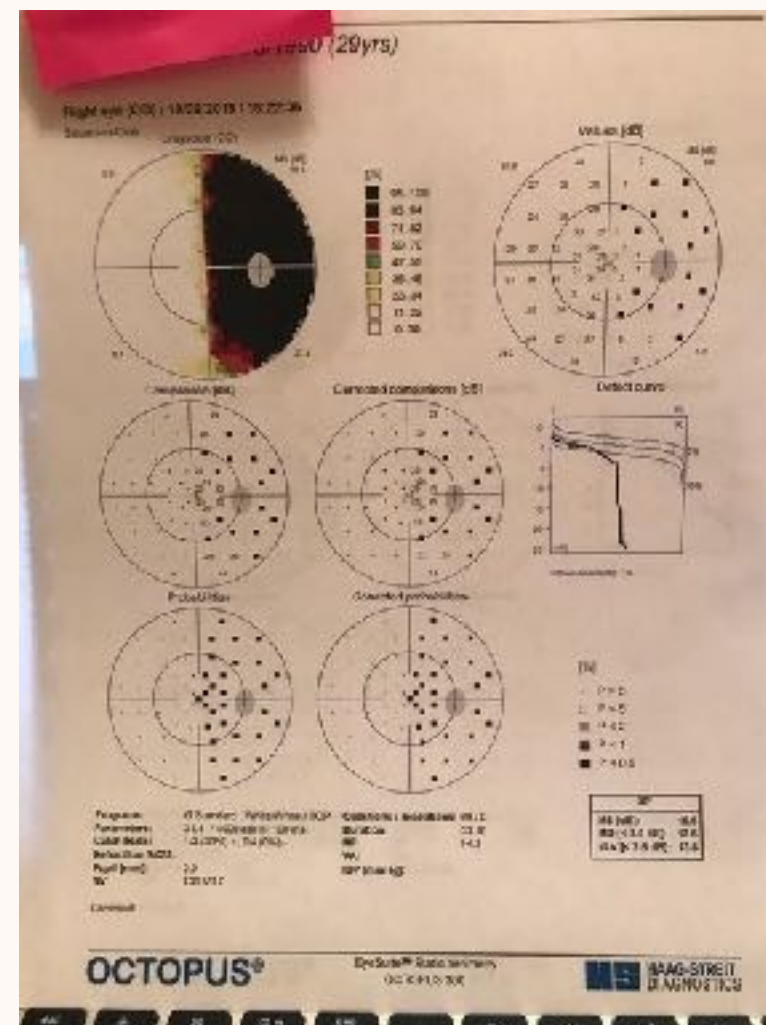
THRESHOLD
SYNTONIC FIELDS



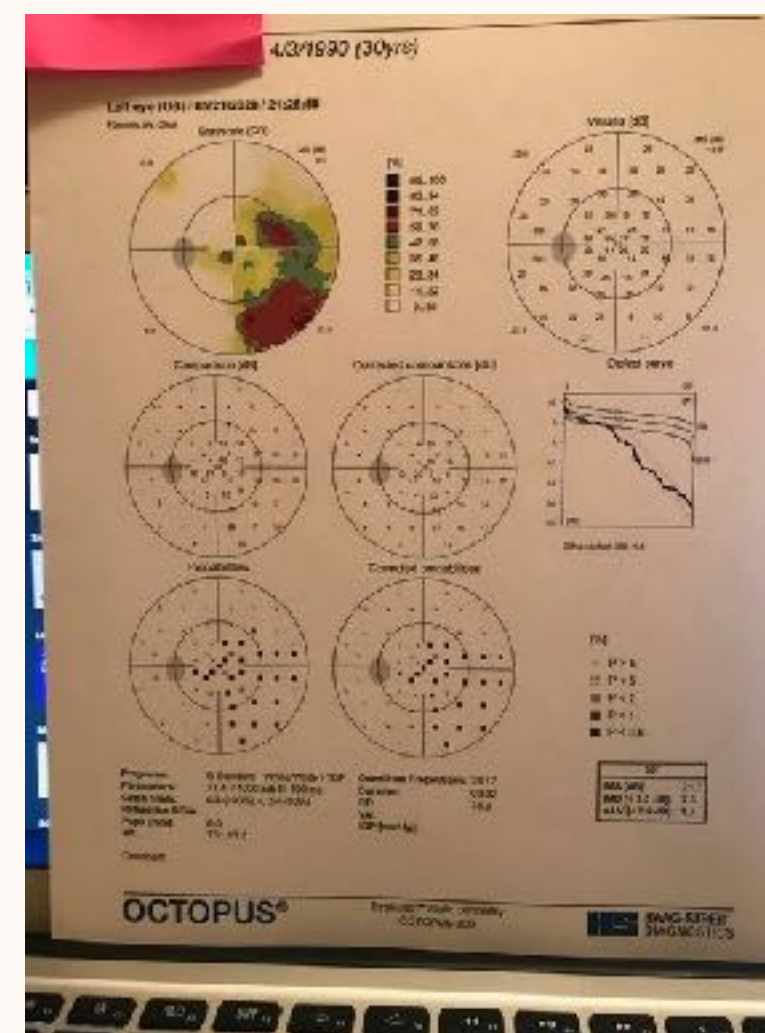
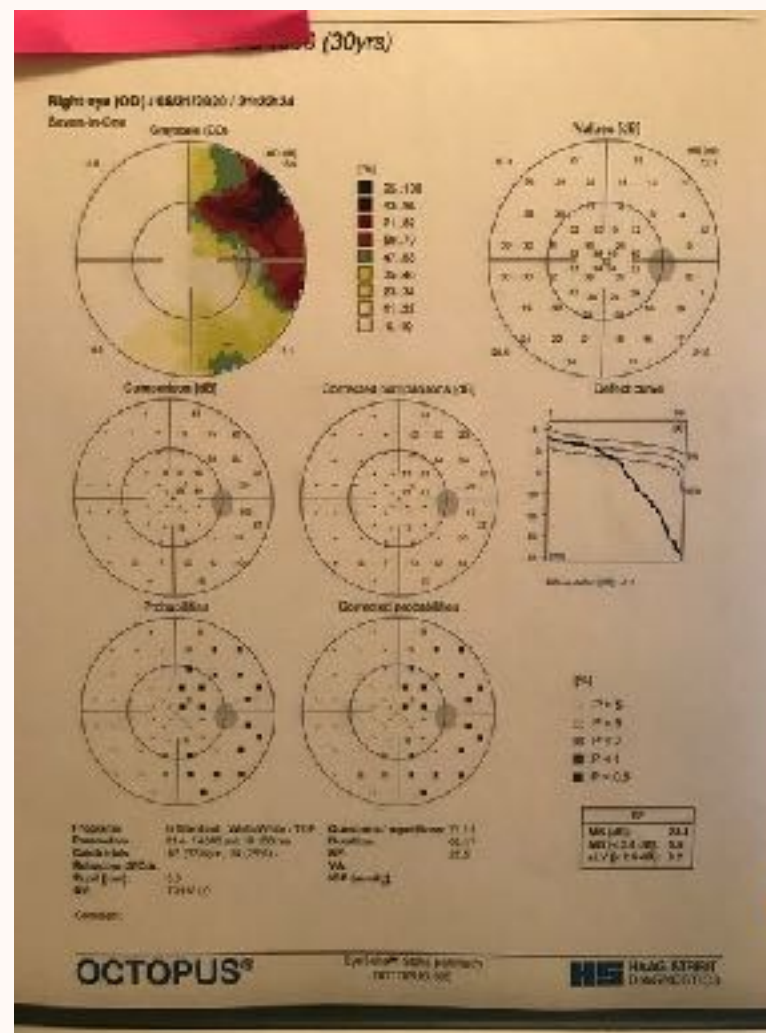


MEASURING ALPHA
PUPIL: RAPID
DILATION (2
SECONDS)

MEASURING THE
EGOCENTRIC SHIF:
5" RIGHT



Before & Current



CONTINUING TO IMPROVE

10/09/2019: Initial Evaluation

05/21/2020: Last Progress Evaluation

Treatment Specific for Visual Field Loss

SYNTONICS


YOKED PRISMS

HEMISTIM

OPTODRUM

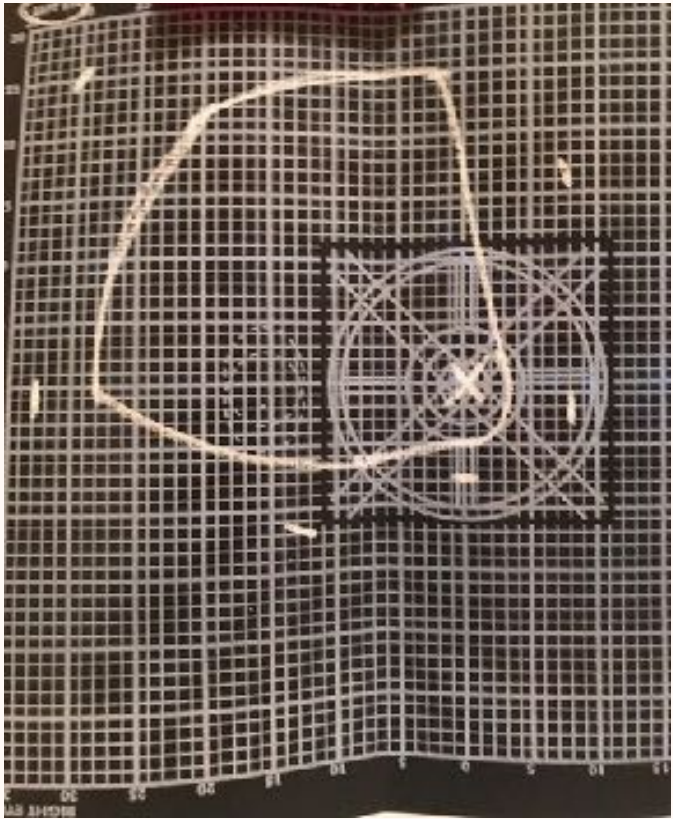
LOCALIZATION ON THE EDGE

VISUAL MOTOR AT THE EDGE



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Syntonics Improves Outcomes



Keep
It
Simple

WHEN 90 DAYS + POST

BEGIN WITH CHRONIC COMBO

ALPHA/OMEGA & MU/DELTA

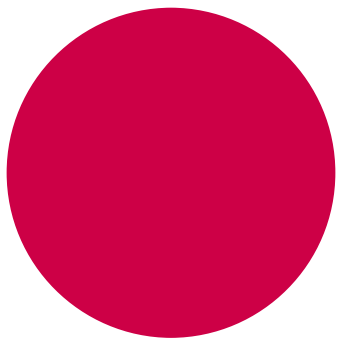
In-office:
Once a week
with
College Unit

HOME:

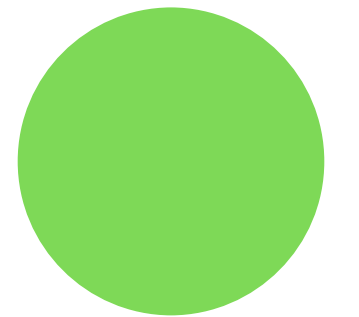
5X/WK
HOME UNIT

RUBY: 10 MINUTES

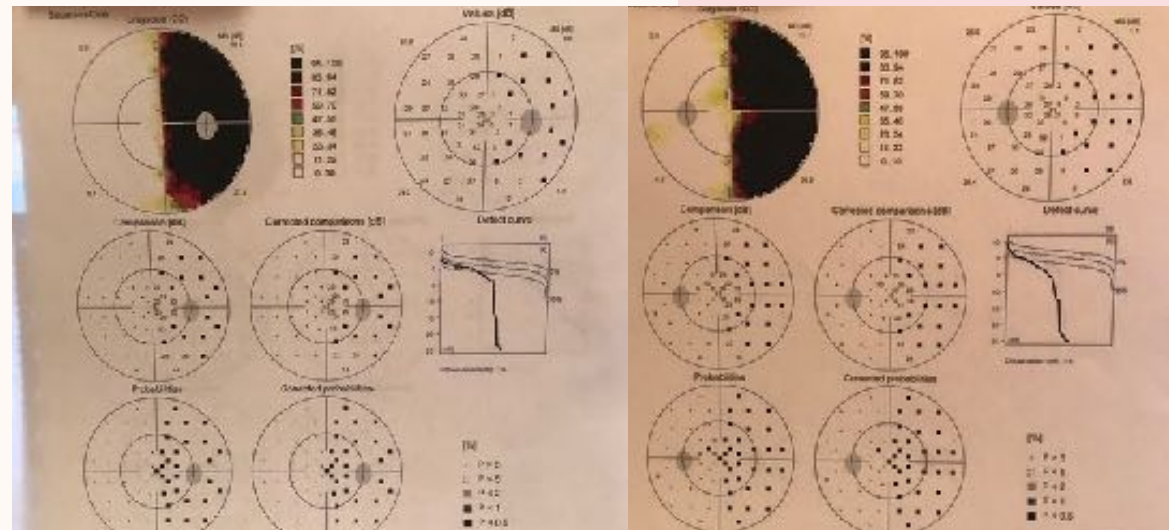
$\alpha\omega$



$\mu\delta$



LEMON/LIME: 10
MINUTES



Update: Suffered major seizure 9/2020

VFD returned

Using Syntonics returned to previous gains

Mu/Uplison due to acute onset



After Initial Phase of Syntonic Light Therapy

Completed Optometric Vision Therapy Program

Monocular HemiStim

STIMULATE SIDE OF
DEFECT



HemiStim
Medical

OptoDrum Ap

Saccade into area of defect



OptoDrum
Medical

Localization on the Edge



MEASURE EDGE OF
VFD

PLACE TARGET AT
EDGE

PATIENT LOOKS

PATIENT CONNECTS
TARGET

MEASURE EDGE OF
VFD

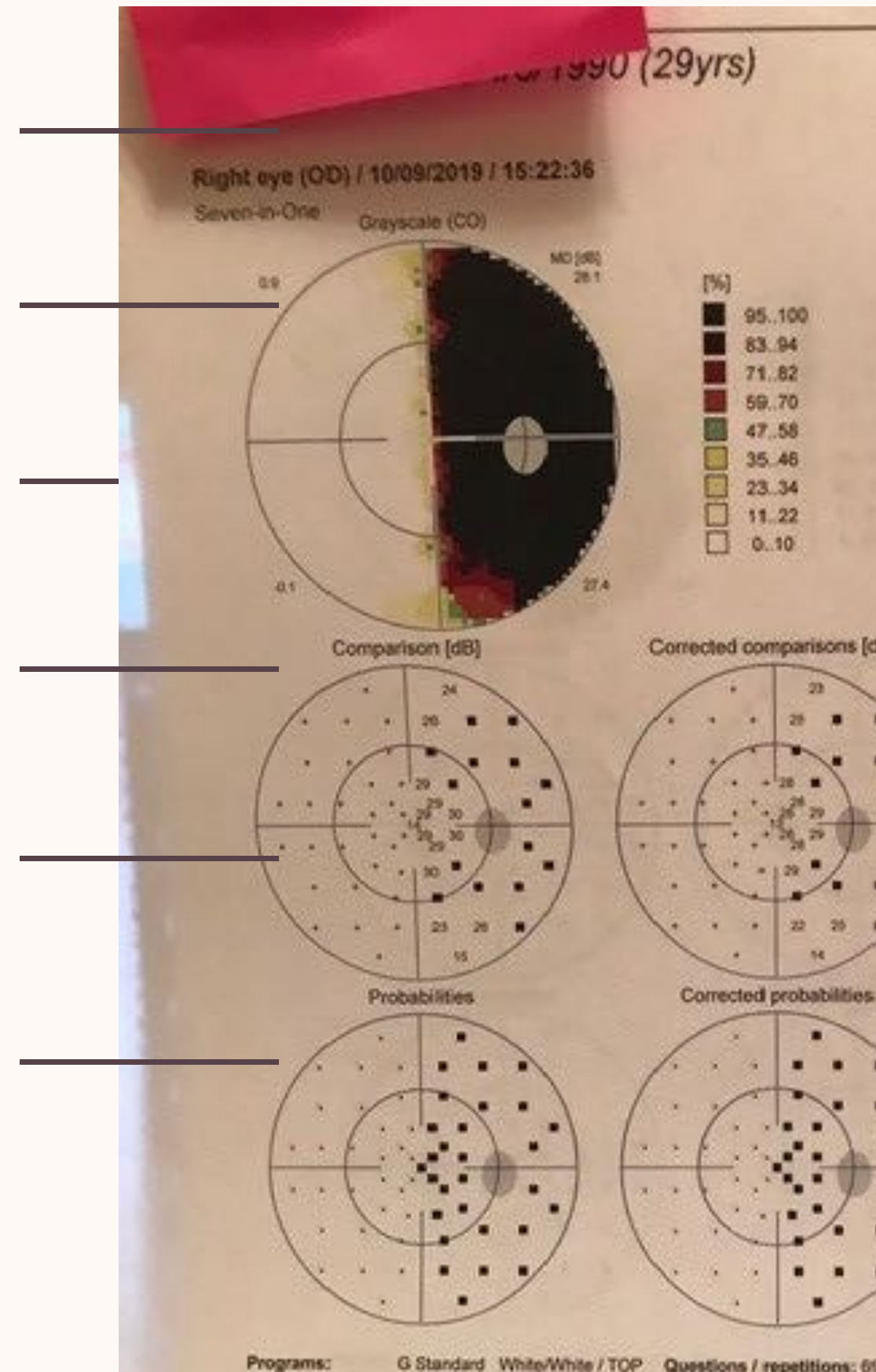
PLACE TARGET AT
EDGE

PUT OTHER TARGET IN VFD
AREA

PATIENT LOOKS AT
TARGET

PATIENT FOLLOWS
TARGET

SACCADE TO OTHER
TARGET



Visual Motor
at the Edge



Thank You

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