

Visual Field Grand Rounds

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- Disclaimer
- We have no financial interest in any products mentioned in this lecture

Chairside Fields



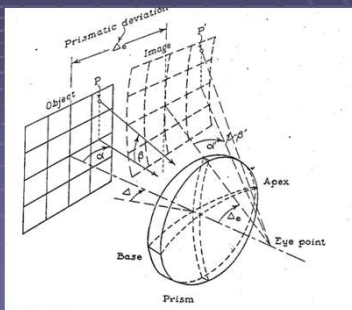
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What Else Can Expand and Compress Space?

- Prism
- Low plus Lenses
- Syntonics

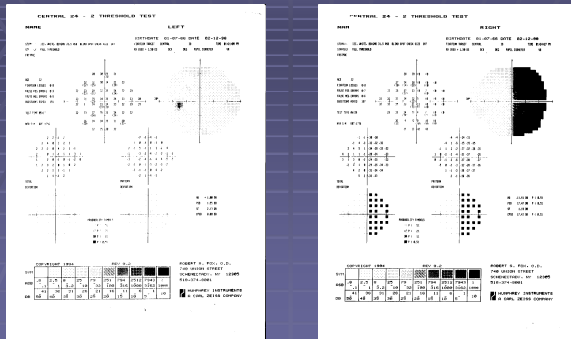


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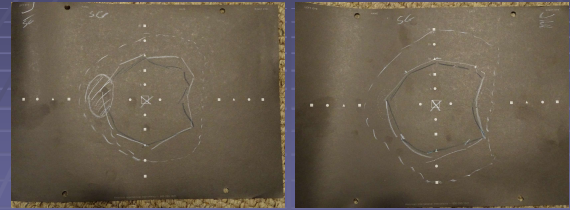
Scott CO Poisoning

- 25 y.o. male
- Poor ventilation in machine shop
- "died" twice
- Did great with +0.37 OU
- Mediocre response to VT

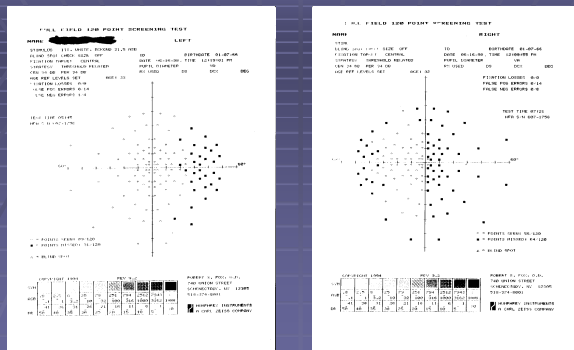
Scott – CO Poisoning



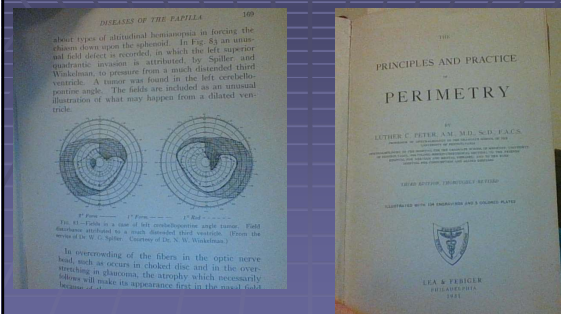
Scott – CO Poisoning



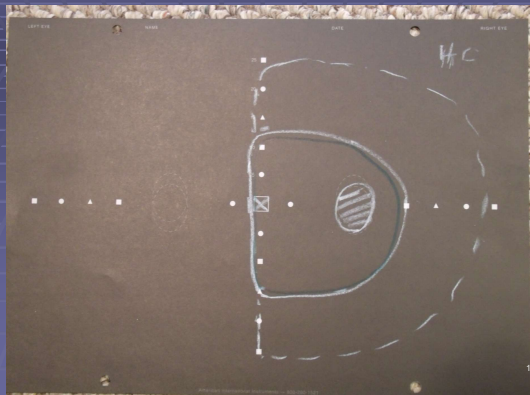
Scott – CO Poisoning



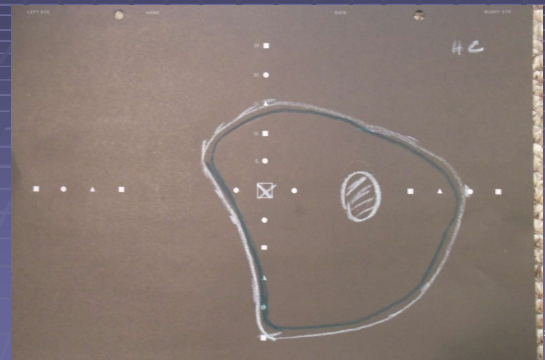
Scott – CO Poisoning



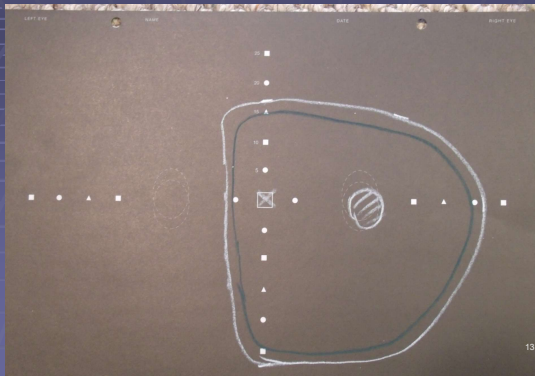
HC – CVA, Field Loss



CVA - Hemianopia



Hemianopia – Post-Syntonics



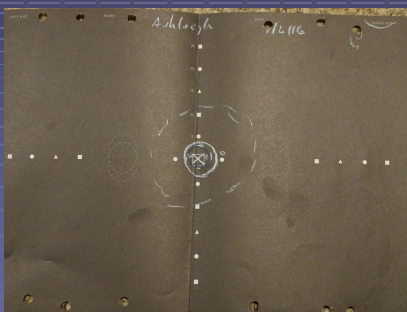
Ashley – VT Without Syntonics

- 9 year old 4th grade girl
- Struggles in school
- Did VT elsewhere for CA, AI, OMD
 - Symptoms improved, but not much change in school performance

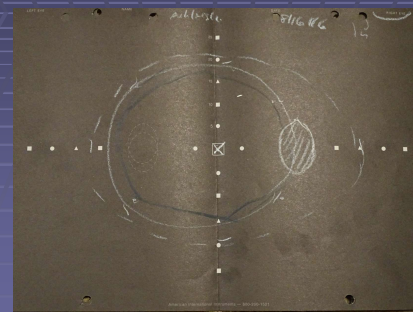
Ashley – VT Without Syntonics

- Her VTOD moved his office further away
- More convenient to see us for follow-up
- Findings were fair, but performance fields were very small
- Syntonics resulted in improved fields
- Improved performance followed

Ashley – VT Without Syntonics



Ashley – VT Without Syntonics



Case Report – Marco



Case Report – Marco

- 10 y.o boy
- Autism – mild (Asperger's)
- “Marco has trouble staying focused when there is a lot of material on a page. He copies words well, but has difficulty reading black and white maps and charts/graphs”
- School not going well – “overwhelmed” by workload

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Marco

- Referred by psychologist who noticed tracking delays
- Anxiety issues
- Fine motor delays
- Headaches in car and on school bus
- Good reader, but skips words
- Can't ride a bike

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Marco – Findings

- 20/20 visual acuity – distance and near
- EOMs – lots of fixation losses
- NPC – 4"/8"
- Normal internal and external eye health
- 3+ alpha-omega pupil

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Marco – Findings

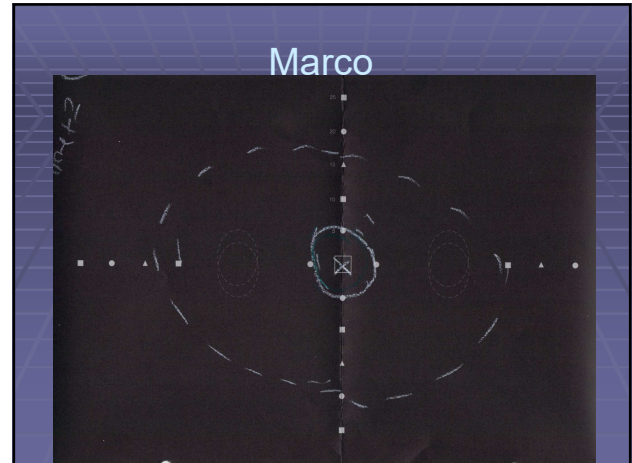
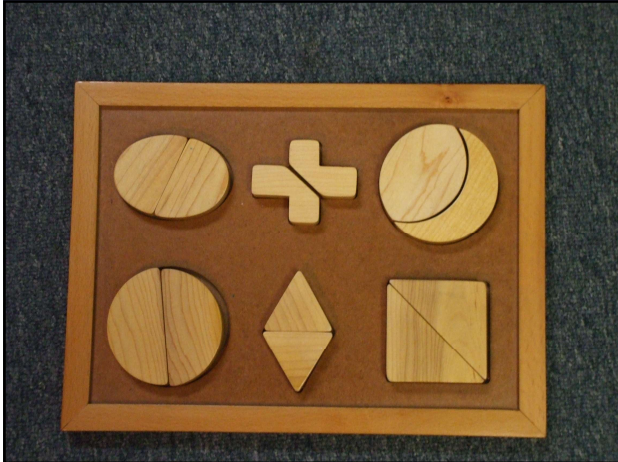
- Subj - +0.50 OD, OS, OU
 - 1.5 exo
 - BO x/12/5
 - BI x/8/2
- Near
 - 5 exo
 - BO x/16/6
 - BI x/28/16
 - Amp of acc.- > 6
 - PRA -1.50
 - NRA +3.00

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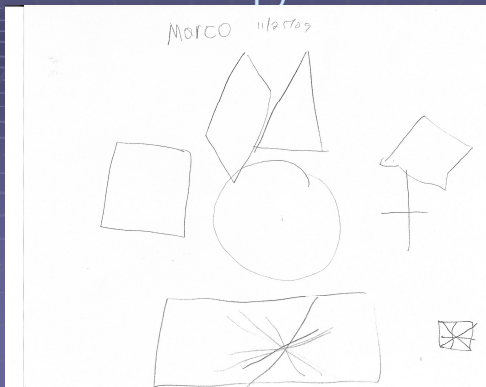
Marco - Findings

- BPB 1 exo
- +/- 2.00 flippers – fails all minus
- Divided Form Board
 - Only 4 in one minute (2nd try)
- King-Devick – 7 year old level

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Marco – copy forms



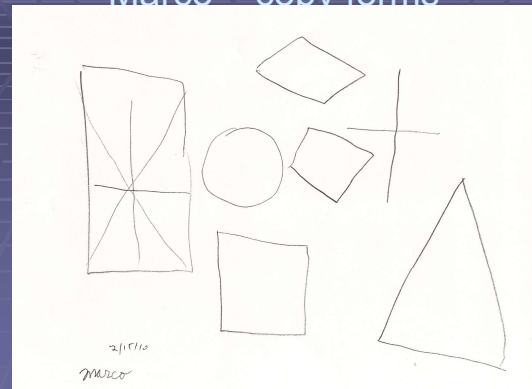
Marco – treatment

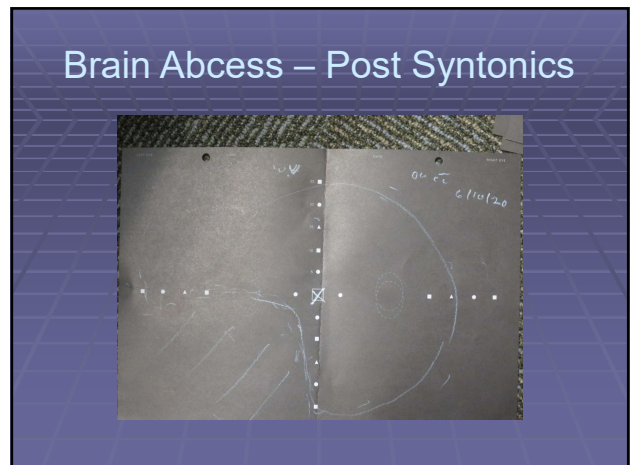
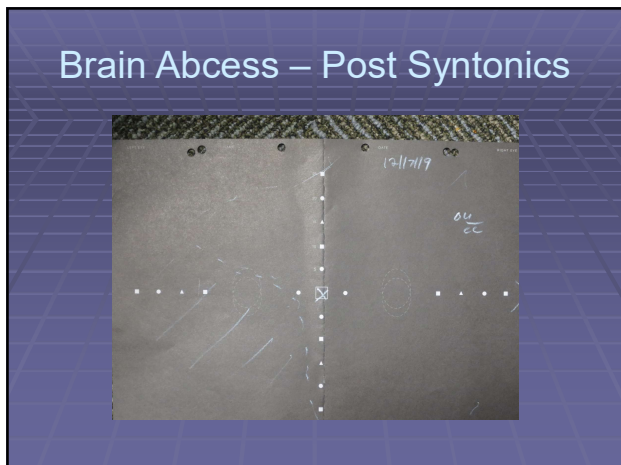
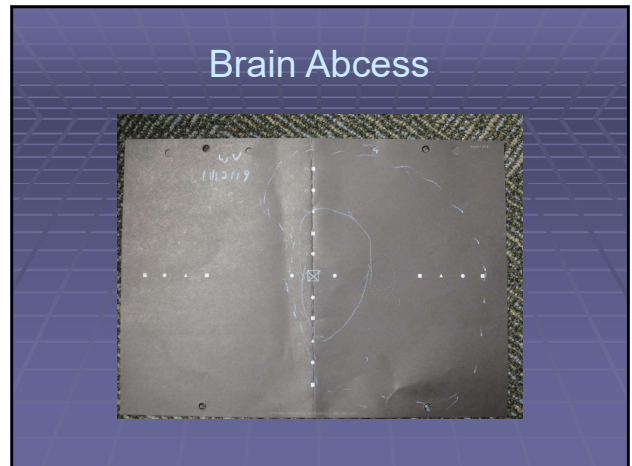
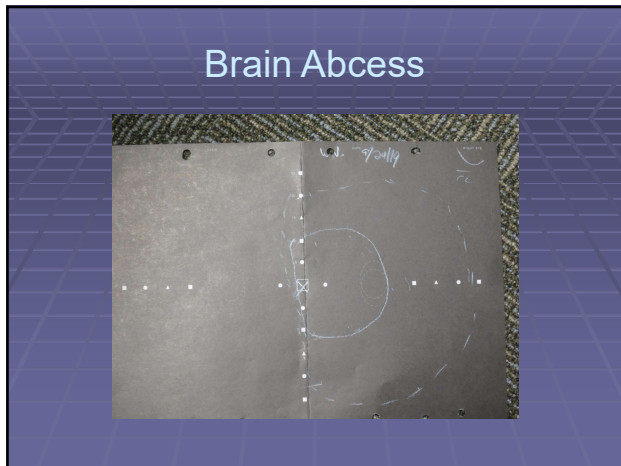
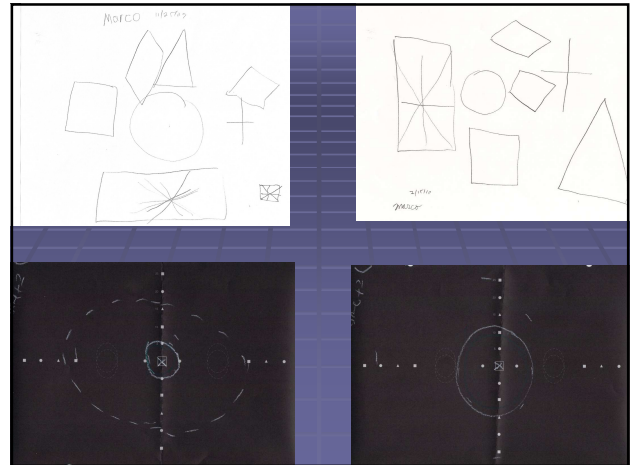
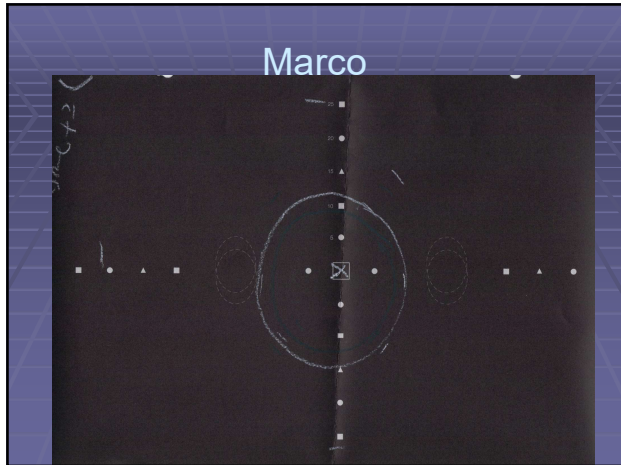
- Lenses
 - +0.37 with 0.50 BI OU
- Syntonics
 - Ruby red and Lemon green

Marco – Follow-up Findings

- Liked light, likes Rx
- Much more focused, better eye contact
- Div. form board – 1 min on first try
- Near base-out – x/19/11
- PRA/NRA - -2.25/+2.25

Marco – copy forms





■ Thank you!

