

Syntonics Practice Management

Syntonics 101
Zoom 2020

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Patient Management Initial Evaluation

How to explain Field results to patient/parent
How does it relate to other examination findings
How does it relate to their behavior and effect on ADL's, sports, school work, etc.
How does it relate to symptoms
How do you explain that you are going to open this field by "staring at a light for 20 minutes."

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Patient Management Treatment

Follow the protocol – Do not look for "Quick Fix" or the "Magic Bullet"

It is one of the most effective treatments you will use in your office.

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Patient Management

Initial Evaluation

Treatment

Home or Office therapy
When to give eyeglasses
When to initiate VT

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Patient Management

Treatment Options

Office Therapy

Traditional – Syntonizer, “The College Unit”

Home unit in Office

Advantages/Disadvantages

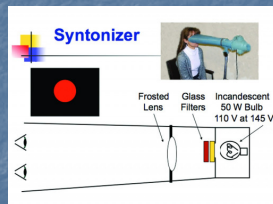
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Patient Management

Treatment

The design of the Syntonizer

- Light Source – low wattage
- Filters in specific order and position
- Frosted clear lens/Collimating lens
- Aperture
- Done in dark – dark surround with central colored target.
- Target located approximately at “Harmon Distance” from the eyes.



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Patient Management
Treatment Options
Office Therapy

Traditional Syntonizer
"The College Unit"



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Patient Management
Treatment Options
Office Therapy

Traditional Syntonizer
"The College Unit"



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Patient Management
Treatment

Importance of placement of filters and lenses.

Does it make a difference?

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Patient Management
Treatment Option
Home Therapy
Home Therapy Units

- The Levine Unit
- Hummingbird Unit
- The "Fox" Unit
- The "Simon Grbevski" Unit
- The Optomatters Home Unit

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Patient Management
Treatment Option
Home Therapy

- The Levine Unit
- Glass Filters



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Patient Management
Treatment Option
Home Therapy

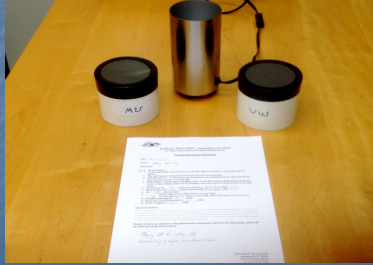
- Hummingbird Unit
- Glass Filters



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Patient Management Treatment Option Home Therapy

The "Fox" Unit



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Patient Management Treatment Option Home Therapy

The "Fox" Unit
15 Watt bulb
Roscolux Filter
Gels



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Patient Management Treatment Option Home Therapy

The "Fox" Unit
Roscolux Filter
Gels

| ROSCOLUX FILTER STOCK NUMBERS FOR SYNTONIC UNITS | |
|---|-------------------|
| 1. Alpha #27 | Medium Red |
| 2. Omega #59 | Indigo |
| 3. Mu #90 | Dark Yellow Green |
| 4. Delta #15 | Deep Straw |
| 5. Ipsiplus #74 | Night Blue |
| 6. Pi #69 | Brilliant Blue |
| 7. Lambda #80 | Primary Blue |
| 8. Theta #12 | Straw |
| 9. Xi #990 | Lavender |
| 10. D #264 | Blue Bell |
| 11. S #912 | Canary |
| 12. #100 Frost | Diffuser |

Revised: www.jadstage.com
(800) 637-8243 - phone
(317) 635-9433 - fax

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Patient Management Treatment Option Home Therapy

The Simon
Grbevski Unit
The "Spectrum"

Class Lenses



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Patient Management Treatment Option Home Therapy

Optomatters Home Unit The "Color Boy"



Patient Management Treatment Option Home Therapy

The use of "Goggles"

- Is not same as Syntonic Therapy
- Are Filters based on Syntonic filter combinations.
- Should not be cleaned with cleaners.
- Originally used with a Home unit
- Using them is not Syntonics as filters are not in correct position.

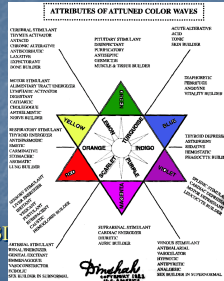


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Patient Management Treatment Option Home Therapy

The use of "Goggles"

- Fields open significantly slower
- They are a type of Color therapy
 - Tints
 - Spectra Chrome
 - Comra Delta Laser
 - Color Acupuncture
 - Colored crystals, etc
- Can be very effective especially TBI



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Patient Management Treatment Options Home Therapy - Administration

- Should be used Daily if possible
- Field to monitor Tx – 7-10 days/21 Days
- Then follow every 2-3 weeks
- Financial Options – Global fee/Insurance
- Rental
- Administrative Forms

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Patient Management Home Therapy - Administration

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Patient Management Treatment Issues

- What if Field not opening in beginning?
 - Check Unit and Patient procedure
 - Is child with parent – are they doing it alone?
 - Change of filters needed?
 - Illness
- What if Field opens but then plateau's even with change of filters?
- Mentors – Don't be afraid to call.

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Patient Management Treatment Issues

When to stop

- When field is full
- When field reaches a plateau
- When becomes to much to handle.
- What if patient is sick?

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Patient Management Treatment Issues

Will the field regress?

- Blind spot is key
- When full

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Patient Management Treatment Issues



Mentors Fellowship

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Measurements and Tests Influenced by Field Changes

- Refraction
- Phoria
- NPC
- Far/Near Focus
- Pursuits - Tracking
- Saccades
- DEM
- VO Star
- Streff Cap Test (Localization)
- Visual Scanning
- Incomplete Man Copy Forms
- Pupillary Reactions

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Measurements Influenced by Field Changes
Refraction Changes Pre/Post

| Pre | Post |
|----------------|---------------|
| +100 | +150 |
| +075 | +150 |
| +200-250 x 170 | No Change |
| +200-250 x 10 | |
| -25 | Plano |
| Plano | Plano |
| Plano | +0.50 |
| -.25-50 x 180 | +0.75 |
| P1 -.025 x 135 | +50 -50 x 100 |
| P1 -.050 x 75 | +50 -25 x 75 |

| Pre | Post |
|----------------|----------------|
| -025-025 x 180 | +050 |
| -.025 | +050-.25 x 180 |
| -.075 | -.075 |
| -.075 | -.075 |
| -.025 | -.025 |
| -.025 | -.025 |
| +025 | +050 |
| +025 | +050 |

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Measurements Influenced by Field Changes
Book Retinoscopy Pre/Post

| Pre | Post |
|----------------|----------------|
| +075 | +125 |
| +050 | +125 |
| +300-250 x 170 | +275-250 x 170 |
| +300-250 x 10 | +275-250 x 10 |
| +062 | +062 |
| +075 | +062 |
| +.50 | +0.75 |
| +.75-50 x 180 | +0.75 |
| +1.50 | +1.25 |
| +1.50 | +1.25 |

| Pre | Post |
|----------------|----------------|
| +50-.025 x 180 | +075 |
| +50 | +075-.25 x 180 |
| +1.25 | +1.00 |
| +1.25 | +1.00 |
| +050 | +075 |
| +050 | +075 |
| +100 | +050 |
| +100 | +050 |

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Measurements Influenced by Field Change
Phoria NPC

| Pre | Post |
|------------|------------|
| Ortho/3exo | 1exo/4exo |
| 1exo/3exo | Ortho/6exo |
| Ortho/5exo | 1exo/5exo |
| 3exo/9exo | 2exo/8exo |
| 6exo/12exo | 1exo/10exo |
| 3exo/9exo | 1exo/6exo |

| Pre | Post |
|------|------|
| 2/4 | 1/3 |
| 3/9 | 2/6 |
| 2/12 | 2/6 |
| 1/4 | 1/3 |
| 3/6 | 2/6 |
| 3/7 | 2/5 |

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Measurements Influenced by Field Changes

■ Far/Near Focus

Improvement in all cases – all some degree of difficulty

■ Pursuits – Tracking

Pre - Excessive head move, misfixations, jerky

Post – Every case showed significant improvement. Most were smooth with no head.

■ Saccades

Pre - 90% were inaccurate

Undershoots, Head move, Fatigue prevalent

Post – Significant improvement in all cases

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Measurements Influenced by Field Changes

Visual Scanning

Visual Scan – Davis Dot Test

Pre Post Age Equivalent Change

38 Dots 43 Dots 2 years

32 46 5

33 35 1

40 55 5

38 50 4

18 35 6

34 42 2

25 28 1

30 34 2

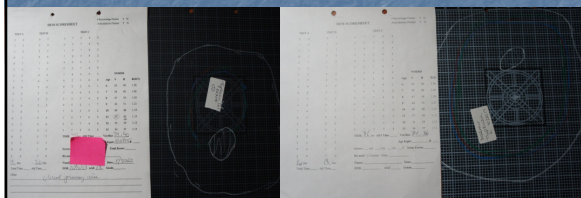
33 33 no change

36 43 3

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Measurements Influenced by Field Changes

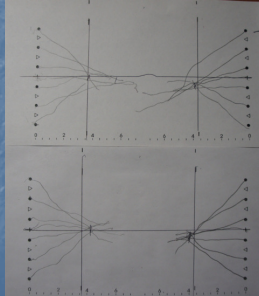
Other Testing DEM



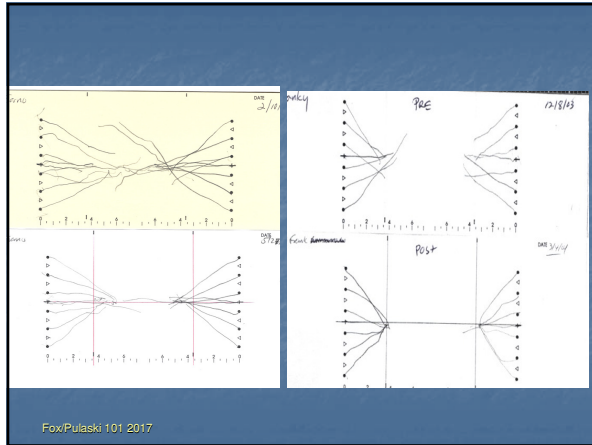
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Measurements Influenced by Field Changes

Other Testing VO Star



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Measurements Influenced by Field Changes

Other Testing Right Eye

