#### Syntonics Practice Management

#### Syntonics 101 Zoom May 2020

John Pulaski, OD, FCSO

#### 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."

#### 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.

#### Patient Management Initial Evaluation Treatment

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

#### Patient Management Treatment Options Office Therapy

Traditional – Syntonizer, "The College Unit"

Home unit in Office

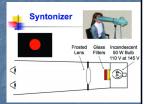
Advantages/Disadvantages

#### Patient Management Treatment

The design of the Syntonizer

Light Source – low wattage Filters in specific order and position Frosted clear lens/Collimating lens Aperture

Aperture Done in dark – dark surround with central colored larget. Target located approximately at "Harmon Distance" from the eyes.



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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 Options Office Therapy Staff Responsibilities/Forms

Booking at initial exam 3x/week at patient's convenience Fields after 7 and 21 sessions. Insurance and Financial

#### **Office Forms**

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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









### Patient Management Treatment Option Home Therapy

The "Fox" Unit 15 Watt bulb Roscolux Filter Gels



## Patient Management **Treatment Option** Home Therapy LUX FILTER STOCK NUMBERS The "Fox" Unit OR SYNTONIC UNITS Gels

Resource: <u>www.indys</u> (800) 637-8243—pho (317) 635-9433--fax

## Patient Management Treatment Option Home Therapy

Grbevski Unit The "Spectrum"

Glass Lenses



# 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 Flome unit
- Using them is not Syntonics as fill are not in correct position.

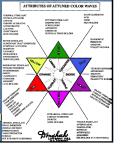
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#### Patient Management Treatment Option Home Therapy

#### The use of "Goggles"

- Fields open significantly slower
- They are a type of Color therapy
  - Tints
  - Spectra Curome
  - Color A cupuncture
  - 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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Loan/Rental Agreement	for the Spetonicse (from Prote	Dampy Device)
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#### **Patient Management** Administration Coding

#### Initial Visit

- Progress Evaluation of Field
- Re-evaluation
- Office Therapy

#### **Patient Management** Administration Coding

- Diagnosis Codes

  - H53.42 Scotoma Blind Spot
    H55.81 Saceadic Dysfunction

## Patient Management Field Follow Up Field / Progress Evaluation DATE \_\_/\_/ NAME \_\_ Filter AO/MD MU UO/MU\_\_\_\_\_ Total Weeks \_\_\_\_\_\_ Since LastOV I otal Weeks \_\_\_\_\_ Si \_\_\_\_Changes in Health/Medication\_\_\_None HX Compliance + -Field Testing Tested by KL JP Reliability 1 2 3 4

## 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.

### 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?

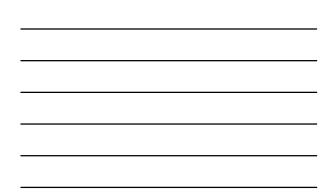
## Patient Management Treatment Issues

Will the field regress?

- Blind spot is key
- When full

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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

	Measurements Influenced by Field Changes Refraction Changes Pre/Post				
	Pre	Post		Pre	Post
	+100 +075	+150 +150		-025-025 × 180 -025	+050 +050-25 x 180
	+200-250 x 170 +200-250 x 10	No Change		-075 -0 <b>7</b> 5	-075 -075
	25 Plano	Plano Plano		-025 -025	-025 -025
	Plano 25-50 x 180	+0.50 +0.75	1000	+025	+050
	Pl-025 x135 Pl-050 x 75	+50 -50 x 100 +50 -25 x 75			
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Measurements Influenced by Field Changes Book Retinoscopy Pre/Post

Pre	Post		Pre	Post
+075	+125		+50-025 x 180	+075
+050	+125		+50	$+075-25 \times 180$
+300-250 x 170	+275-250 x 170		+1.25	+1.00
$+300-250 \times 10$				+1.00
+062	+062		+050	+075
+075	+062		+050	+075
+.50	+0.75		+100	+050
$\pm.75-50 imes180$	+0.75		+100	+050
+1.50	+1.25			
+1.50	+1.25			

Ī	Phoria		NPC	
Pre	Post	Pre	Post	
Ortho/3eso	1exo/4exo	2/4	1/3	
		3/9	2/6	
		2/12	2/6	
3exo/9exo 6exo/12exo	2exo/Sexo 1exo/10exo	1/4	1/3	
3eso/9eso	1eso/6eso	3/6 3/7	2/6 2/5	



#### Measurements Influenced by Field Changes

- Far/Near Focus
- Improvement in all cases all some degree of difficulty
- Pursuits Tracking
  - 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				
3 <u>2</u>	46	5			
33	35	1			
40	55	5			
38	50	4			
18	35	6			
34	42	2			
25	28				
30	34	2			
33	33	no change			
<b>36</b> Fox/Pulaski 101 2017	43	3			



