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vision expo

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Disclosures The content of this course was developed independently without commercial bias or influence Consulting Essilor Instruments, USA Visionix USA Topcon Healthcare Quest Vision Care Specialty Lab



Learning Journey Objectives

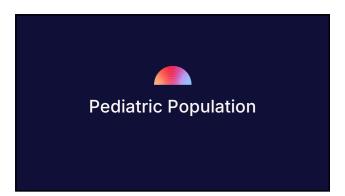
- Pediatric population Eyewear market share Visual conditions Visual development

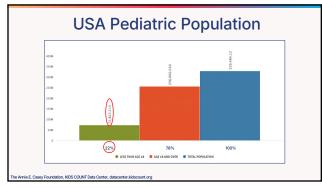
- Educating parents and children Treatment options
- - FramesLenses
 - Patient Case Examples
- · Marketing and displaying kids eyewear

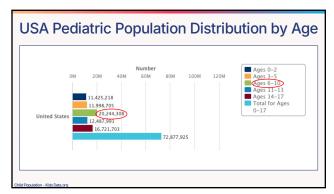




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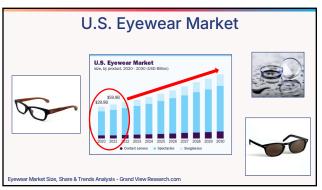


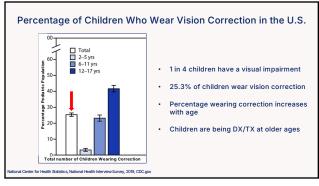




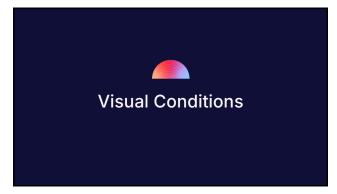














Most Common Visual Impairments

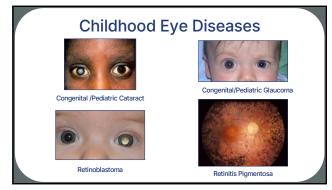
- Refractive Errors
 O Myopia
 O Hyperopia

 - O Astigmatism
- Amblyopia (Lazy eye)
- Strabismus (Cross eyed)
 Binocular Vision Dysfunction (BVD)
 - O Convergence Issues
 - O Divergence Issues
- Accommodation Disorders
 - O Insufficiency O Excess

 - O Spasm

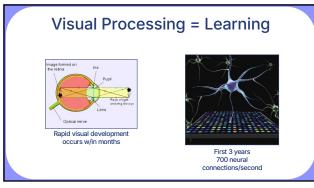


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		Astigma	atism	
Hyperopia		AGE	Normal	
AGE	Normal	5mos - 3 Years	0 - 1.75D	
6 months	0 - 3.00D	3Year - 5 Year	0 - 1.25D	Myopia
9 months	0 - 2.25D			Normal
12 months	0 - 2.250			AGE
18 mos		Anisometropia	5mos – 5 Years No myopia	
24 mos	0 - 2.00D		Smos = 3 fears No myopia	
30 mos			Normal	
36 mos	0 - 1.75D	AGE		
48 mos	0 1.750	5mos – 5 Years	0 - 0.750	

Preschool Children 2-5 Yrs

Fine tuning visual motor skills Continue to develop new skills

Examples

- · Stacking building blocks
- · Playing with balls
- · Drawing and coloring



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Amblyopia Potential Amblyogenic Refractive Errors Isometropia In Diopters • Preventable Astigmatism > 2.50 D • 2% prevalence in US > 5.00 D Hyperopia 30% uncorrected > + 4.00D = Esotropia > 8.00 D Myopia Anisometropia > 1.50 D > 1.00 D Hyperopia > 3.00 D Myopia Amblyopia (lazy eye) = condition in which the best corrected visual acuity is less than 20/20 in the absence of any obvious structural anomalies or ocular disease.

the absence of any obvious structural anomal

Amblyopia Treatments

- Spectacles
- · Contact Lenses
- Patching
- Pharmaceuticals
- Vision Therapy









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School Age Children 6-17 Yrs

- Reading
- Writing
- .
- Computers
- Sports



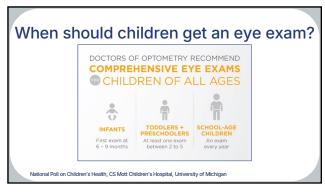


- Good visual acuity at distance and near
- Focusing ability
- Binocular vision/Eye tracking
- · Eye-hand coordination
- Visual perception

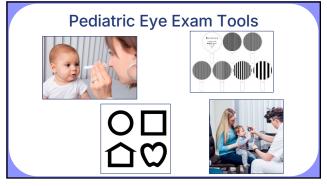


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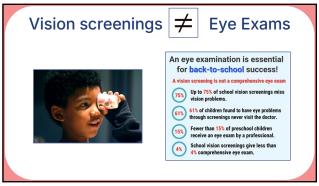






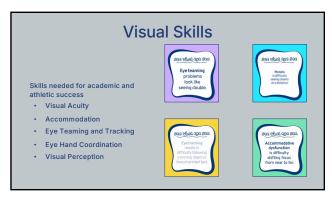




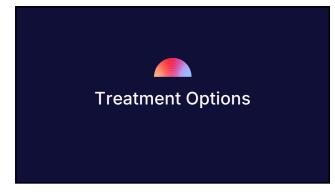


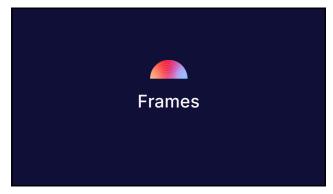


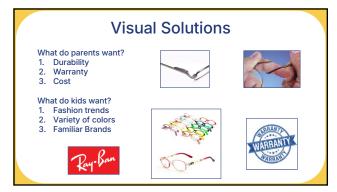








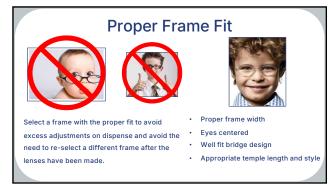














Sport	Total Injuries	0-14 years old	15+ years old
* Basketball	4,597	985	3,632
* Water/Pool activities	4,565	2,637	2,198
≭ Guns: air, gas, spring, BB	3,612	1,632	1,980
Baseball/Softball	2,109	1,121	988
Football	959	483	476
Bicycling	2,495	668	1,827
Soccer	1,618	404	1,214



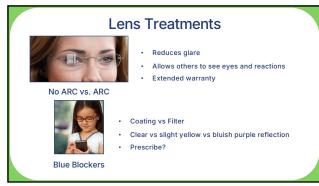


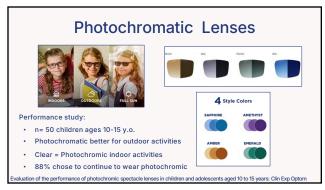


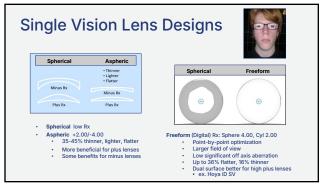


Lens Material Safety First Lens Material Index Impact Resistance UV Protection 1.523 poor 1.498 58 1.32 good(3mm) 1.530 1.11 pretty good(2mm) Yes excellent(2mm)

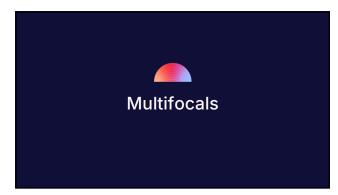
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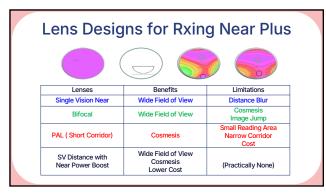




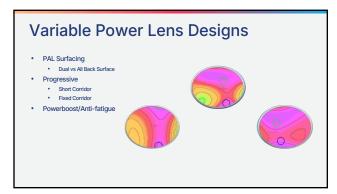


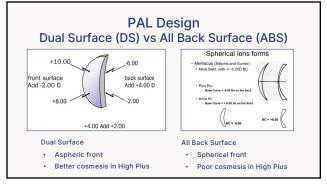


Accommoda	tive and BV	/ Disorders
Condition	Treatment	
Insufficiency	(+) Lenses @ Near	
Infacility	VT (+) Lenses @ Near	
Spasm	VT (+) Lenses @ Near	-00
III-Sustained	(+) Lenses @ Near	
Exophoria	Prism, VT	
Esophoria	(+) Lenses, Prism	
Gross Convergence Insufficiency	VT	
Convergence Excess	(+) Lenses, Prism	
Vertical Phoria	Prism	VT = Vision Therapy

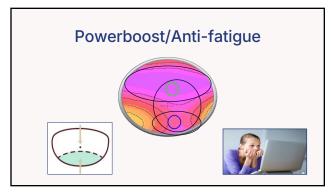








Progressive Lenses			
Hoya	Zeiss	Shamir	
iD LifeStyle3 Urban, Indoor, Outdoor 11,12,13,14,VL	SmartLife Individual Balanced, Intermediate, Near Short 14 Medium 16 Long 18	Autograph Intelligence 11,13,15,18,V	
Dual Surfaced Good for High Plus Rx	All Back Surface	All Back Surface	
Array 2 BKS 11,13,15,17,VL			
All Back Surface			

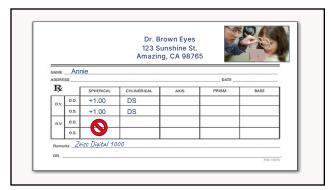


Power Boos	Lenses	Boost at the Bottor
Zeiss Digital Lens	Digital 500 Digital 750 Digital 1000 Digital 1250	+0.50 +0.75 +1.00 +1.25
Eyezen	Eyezen +1 Eyezen +2 Eyezen +3 Eyezen +4	+0.40 +0.60 +0.85 +1.10
Hoya Sync III	Hoya Sync 5 Hoya Sync 9 Hoya Sync 13 Hoya Sync 20	+0.57 +0.95 +1.32 +1.89
Unity Relieve Lens	Relieve 50 Relieve 70	+0.50 +0.70

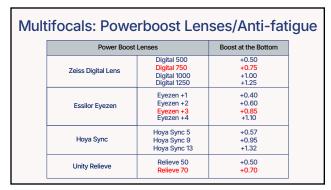


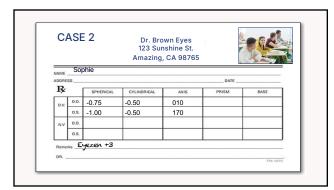
Powerboost for Accommodative Esophoria Annie: 11yo CC: Ped MD referral for H/As, onset @ beginning of school year Dry/Wet Ret. and Refraction: Dist. Rx: +1.00 DS OU ADD +1.00 Dist. CT: ortho Near CT: 5 Esophoria AC/A = 8/1

Power Boos	Power Boost Lenses	
Zeiss Digital Lens	Digital 500 Digital 750 Digital 1000 Digital 1250	+0.50 +0.75 +1.00 +1.25
Eyezen	Eyezen +1 Eyezen +2 Eyezen +3 Eyezen +4	+0.40 +0.60 +0.85 +1.10
Hoya Sync III	Hoya Sync 5 Hoya Sync 9 Hoya Sync 13 Hoya Sync 20	+0.57 +0.95 +1.32 +1.89
Unity Relieve Lens	Relieve 50 Relieve 70	+0.50 +0.70













Displaying Frames





- Display at a lower level
- Include Sports and Sun eyewear
- Promote second pair sales
 - · General Wear
 - Sports





Communication is Key







- · Speak directly to the child
- Explain the Rx to parent and child
- Consider bundling or free lenses with 2nd pair
- Discuss Warranty

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Dispensing is the Key to Success









- Fum / exciting, positive mood, show them off Explain care and handling Explain purpose / use Goodie bag, hard case, cleaning cloth, lens spray Stickers, treasures Use two hands on and off. bables put on before waking up



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Take Home Point A



Untreated vision problems lead to

- Poor school performance
- Low self-esteem, emotion and antisocial behavior
- Lower literacy, increased risk of Incarceration
- Better vision care = increased literacy, productivity

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Take Home Point B



Healthy Habits (start young for life long benefits)

Balanced diet

Utdoor time

UV protection/ Safety eyewear

Monitor screen time/ 20-20-20 Rule



