Treatments Showdown:

What Myopia Control Option Would You Choose?

Moderator: Jeffrey J. Walline, OD PhD Orthokeratology: Ashley Wallace-Tucker, OD Spectacles: Pauline Cho, BOptom MEd PhD

Soft Contact Lenses: Kate Gifford, PhD BAppSc(Optom)Hons Atropine: Sally Dillehay, OD EdD

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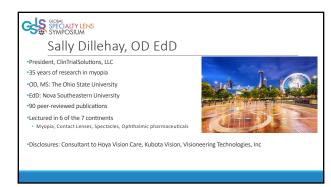
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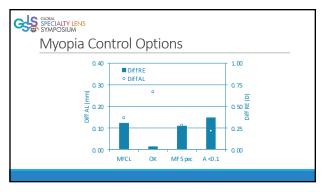
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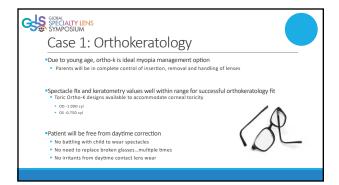
GLOBAL SPECIALTY LENS SYMPOSIUM Pauline Cho, BOptom MEd PhD Visiting Professor West China School of Medicine/West China Hospital Sichuan University • BOptom: University New South Wales, AU • PhD University of Bradford, UK · 200 peer-reviewed papers Orthokeratology











Case 1: Atropine

Evaluation:

More D than years (very young onset); Ethnicity; Parental myopia

Compliance not likely with any type of CL

Compliance with glasses likely, but limited options for such high risk

Atropine easiest for child and parents – Good compliance and vision

Plan:

Consult with Peds and Genetic testing

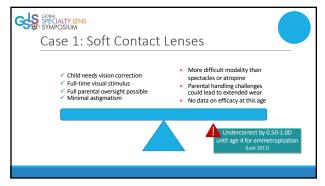
RX: 0.13% Atropine QD OU 7D/wk

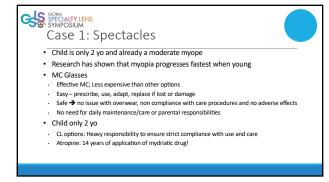
Younger age responds less to Atropine

Spectacles: PAL + Transitions FT wear

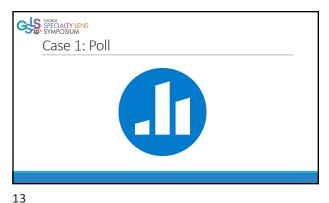
RTC: 1M, 3M, 6M – Check BV status throughout

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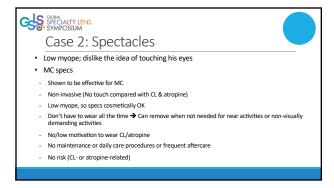


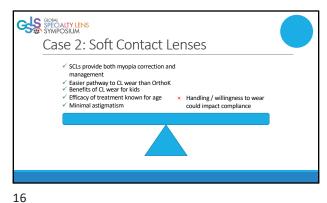


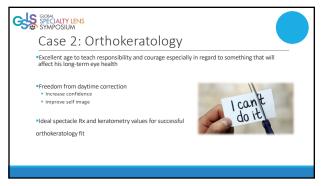
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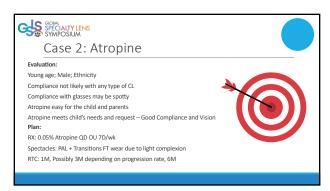


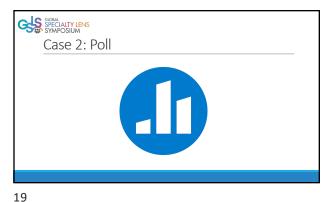




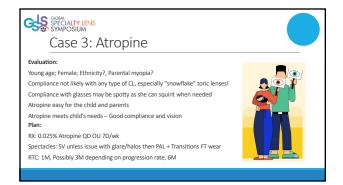






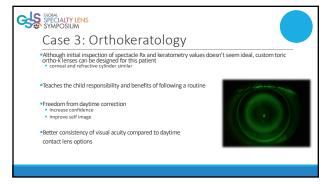


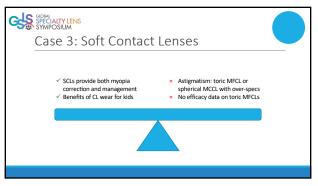




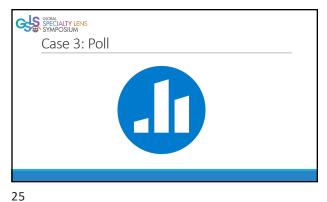
GLOBAL SPECIALTY LENS SYMPOSIUM Case 3: Spectacles MC SCL Toric lenses not available Non-compliance → complications Regular/frequent AC required MC glasses better option Better vision; Non-invasive, No need for daily maintenance/care, no issue with non compliance which increases risk of ocular complications, no need for regular AC, hence save time for both parents and ECP, Less expensive than other options Again, as stated before, they are Easy to prescribe, use, adapt, replace if lost or damage Atropine · Adverse effects such as allergy, blur near vision, photophobia have been reported Many years of the drugs

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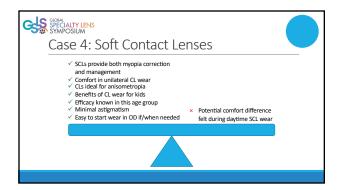




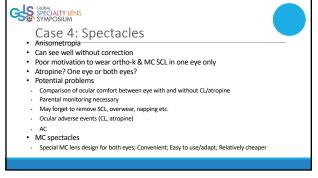
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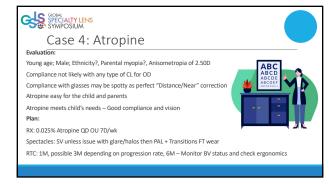


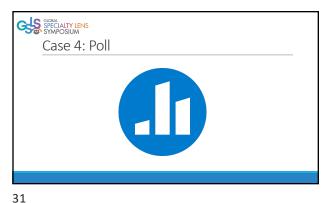




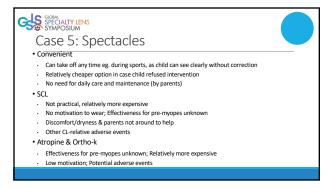


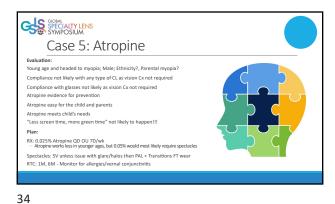




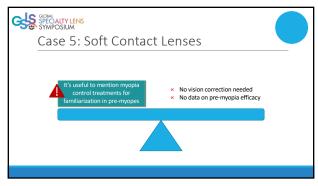


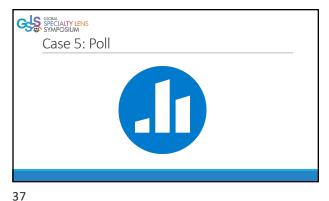


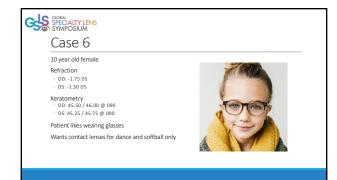






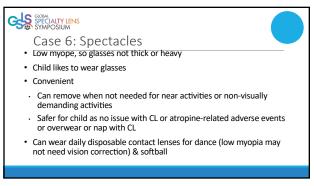


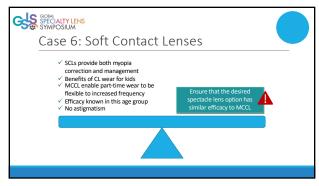


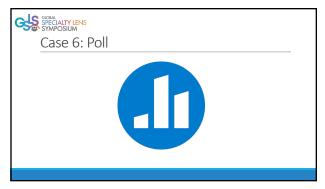
















Case 7: Spectacles

• Ortho-k

• Only 1 brand available? Partial reduction possible, but involves wearing glasses in the daytime

• Fluctuations of vision (eg if lens decentred the night before)

• Ortho-k and atropine

• CL- or atropine-related adverse events or overwear/nap with CL

• Convenient

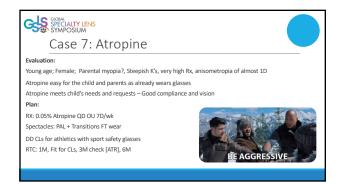
• Can remove and wear DDSCL when playing sports (reducing CL-relative problems)

• Atropine

• 0.01% atropine not effective in slowing AE!

may have problems with glare or halos due to increase pupil size which can affect her sport performance

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