Specialty Contact Lenses Safety & Compliance

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Disclosures

- ζ Euclid System Corp.
- ζ Johnson & Johnson (Vision Care)
- C Menicon Japan/NKL
- Cophtecs Corporation
- Y Precision Technology Services
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No proprietary interest in any products

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'Conventional' lens care & maintenance instructions

- Inadequate for specialty lenses
- Specialty lenses
- Include high-risk patients (compromised ocular surface)
 - ${\ensuremath{\varsigma}}$ Long wearing time (as this may be their only option for good vision)
 - ζ Overnight lens wear
- Special care: Corneal condition/Children
- # More to lose
- Reusable lenses

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Specialty lenses

- Increasing in popularity
- Orthokeratology
- Scleral lenses
- 4 A unique niche in private practice
- 4 Challenging
 - + Both financially & emotionally rewarding
 - Plan & prepare well

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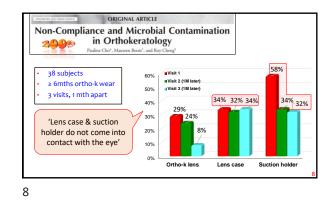
Properly equipped

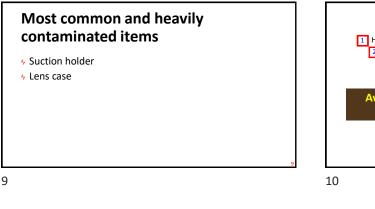
- High mag slit lamp
- # Subtle corneal changes
- 5 Topographer
 - + Changes in corneal surface
- AL measurement
 - + Myopia control (if serious about MC)
- 4 Anterior OCT (?)
 - + Corneal and ocular surface disorders



NON-Compliance

Major obstacle to safe lens wear

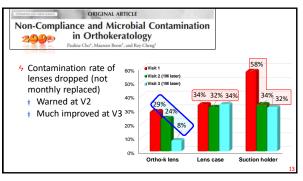


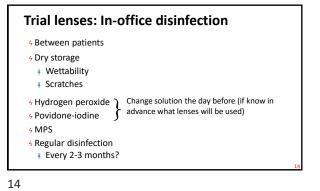


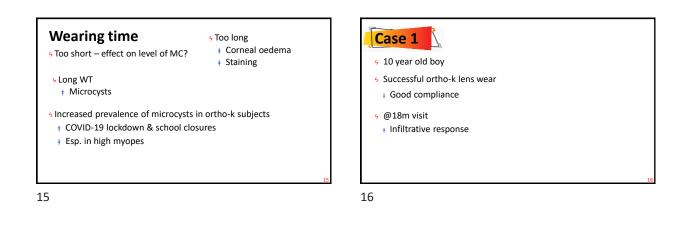


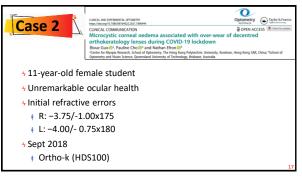


- 4 Avoid lens cases with ridges
- 4 No ridges
 - Easier to clean
 - Reduce contamination
- 4 Avoid suction holders, use fingers
- 4 Monthly replacement











- + Significant lens decentration
- 6 New lenses
 - Resumed lens wear in early January 2020
 - Follow-up visit scheduled on 23 Jan, but cancelled
 - ‡ COVID-19 outbreak, clinic closed
- # Subject continued lens wear, reporting no problems

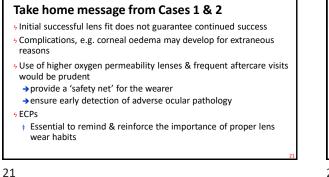


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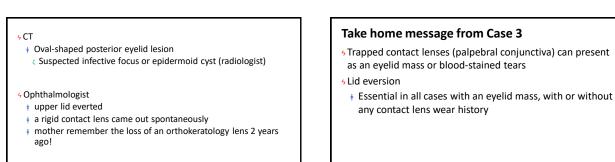
Subject admitted increasing lens wear from 8 − 9 hours to ≥
12 hours most nights, due to the suspension of school
Lens wear was terminated & girl was referred for medical

- treatment
- ‡ Diagnosed with keratitis due to hypoxia & allergy
- √1 month later
 - **#** R: 0.02
 - + L: 0.04 logMAR
- ✓ Refit, but increasing microcysts observed during 1 week of lens wear → terminate ortho-k treatment

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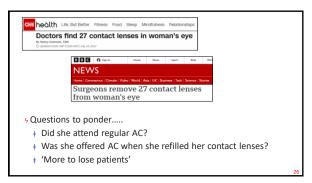




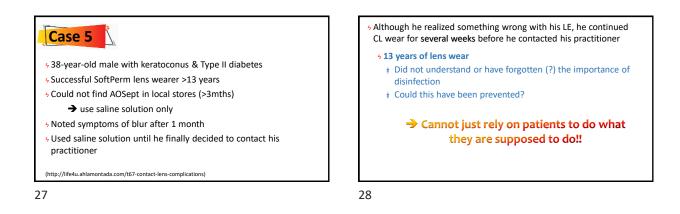
Kwok & Chan https://casereports.bmj.com/content/2016/bcr-2016-215025

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Take home message from Cases 4 - 6

- Regular aftercare essential
- + More frequent & diligent/careful aftercare for higher risk patients is essential
- Remind & reinforce the importance of proper lens wear & care habits

Aftercare & Fees

Second Second

- Freatment fees
 - c Package fee
 - $\boldsymbol{\varsigma}$ Advance payment to encourage attendance of important aftercare consultations

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We catch the small problems before they become big problems.

Little things can mean a lot !!Patient safety should be our top priority

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Parental involvement (ortho-k)

- Essential for safe lens wear as MC treatment usually starts young
- Proper parental education & assessment Willingness to take on responsibilities
 - + Monitor compliance on care & use of lenses at home
 - + Bring child back for aftercare

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PREPARE & PREVENT? REPAIR & REPENT?

YOU decide

