

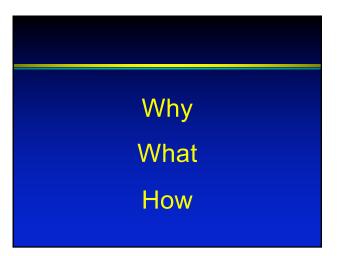
J. Kevin McKinney, MD, MPH

Ophthalmologist Glaucoma Specialist

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OAO 2023 Ophthalmic Medical Technology Conference

Ophthalmic Medical Missions



How many people have vision loss?

1.1 Billion

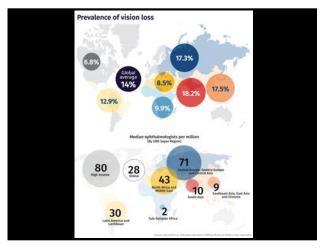
World population 7.8 Billion

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What do you mean by "vision loss"?		
Moderate	<20/70 to 20/200	
Severe	<20/200 to 20/400	
Blindess	<20/400	







Volunteer Motivations

- Feels good to give back
- Learn new surgical procedures
- See advanced cases
- Time-limited commitment
- Donate supplies & equipment
- Adventure / Tourism

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When Helping Hurts

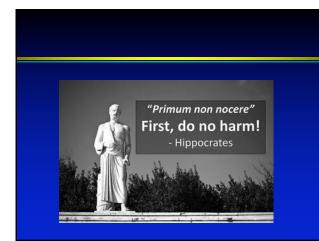
- lack of cultural awareness and humility
- leads to offensive behavior and attitudes of superiority
 disparity between local needs & visitor offerings
- needs assessment
 carrying out medical procedures without
- adequate training and/or expertise
- lack of partnership and mutual learning
- o displacing & devaluing local providers

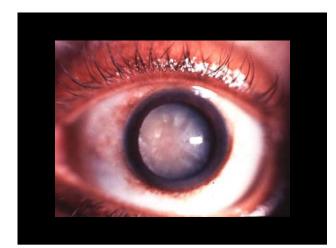
When Helping Hurts

- o creation of dependency on external resources

 - > meds, surgical supplies, equipment / technology
 > cuting edge vs obsolete/expired
 > limit these to what is locally available &/or sustainable
- lack of continuity of services
- failure to arrange adequate follow-up of medical and surgical treatment
- no evaluation of impact / effectiveness

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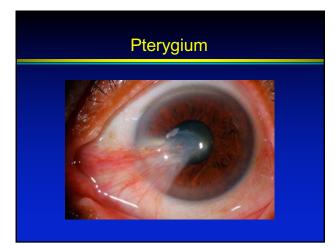










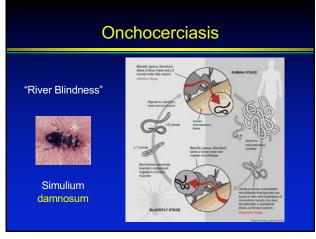












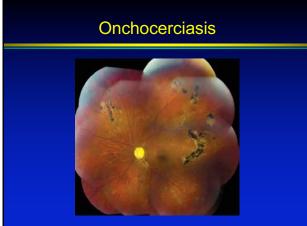
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Onchocerciasis



Onchocerca volvulus







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Onchocerciasis

Ivermectin

- » Dog heartworm treatment
- » In 1970's Merck researchers discovered:
 - kills the microfilaria of Onchocerca
 - does not kill the adult worms
 - "cure" requires 1 pill once or twice yearly for 12-15 years (life of adult worms)
 - Merck Mectizan® Donation program
 Distribution is the challenge







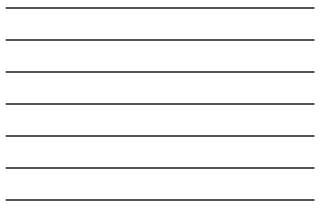










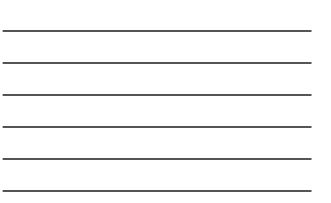














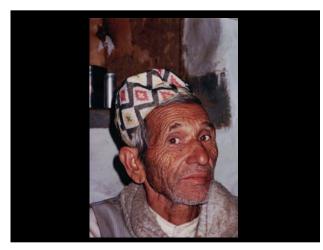










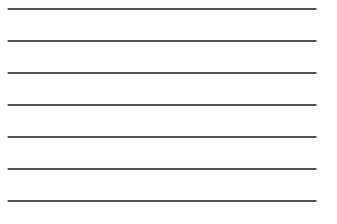




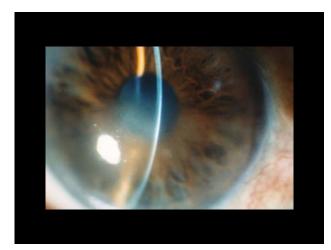




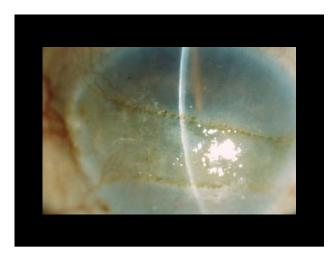


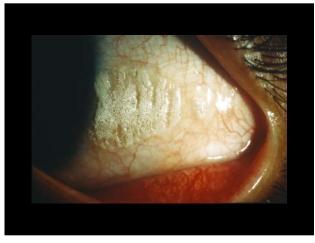


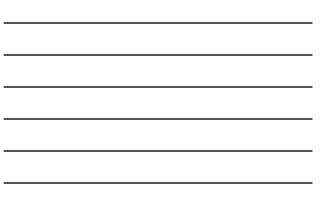


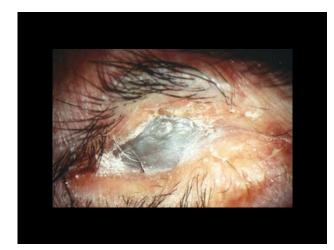




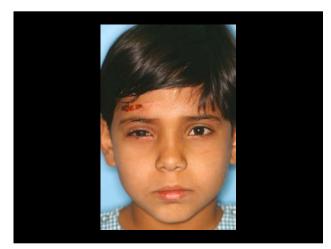










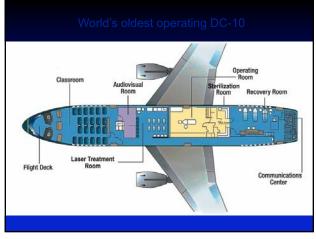


















































Thank You!