Event: HPAO Toronto – Macular Degeneration and Ai Chi Exercises	Event Date: Sep 19, 2025	Colin Erwin
Zoom Meeting		
Topic: Quick Summary and Post-Talk Resources	Revision Date: Sep 20, 2025	Page 1 of 9

## Introduction

On September 19, 2025, our Hydro Pensioners Association of Ontario – Toronto District held our thirteenth Zoom talk, and tenth Zoom event of 2025.

In our first segment from 10:00 am to 11:00 noon, our Guest Presenter was Professor Shahina Pardhan. She is an OBE (Officer of the British Empire), an Optometrist, and Director of the <u>Vision and Eye Research Institute (VERI)</u> at the <u>Anglia Ruskin University School of Medicine</u> in Cambridge, England. Dr Pardham discussed common eye diseases: their underlying physiology, symptoms, and recommendations to avoid getting the disease. Specifically discussed were:

- 1. Age-related Macular Degeneration.
- 2. Glaucoma
- Cataracts
- 4. Dry Eye Syndrome
- 5. Retinal Detachment

In our second segment from approx., 11:10am to 11:40am, our guest presenter was Diane Chadwick, who led our seniors in Ai Chi exercises. Ai Chi is an aquatic exercise used for recreation, relaxation, fitness, and physical rehabilitation.

A recording of the presentation is posted at our YouTube channel <u>@HydroPensionersToronto</u>, or click the link: <u>https://www.youtube.com/@HydroPensionersToronto</u>.

Many Bell and Rogers television subscribers can watch the presentation from their television by giving the following voice command to their remote control: "Hydro Pensioners Toronto on YouTube".

Event: HPAO Toronto – Macular Degeneration and Ai Chi Exercises	Event Date: Sep 19, 2025	Colin Erwin
Zoom Meeting		
Topic: Quick Summary and Post-Talk Resources	Revision Date: Sep 20, 2025	Page 2 of 9

### Resources

 Hydro Pensioners Toronto YouTube channel, with recordings of most Zoom events: <a href="https://www.youtube.com/@HydroPensionersToronto">https://www.youtube.com/@HydroPensionersToronto</a>.

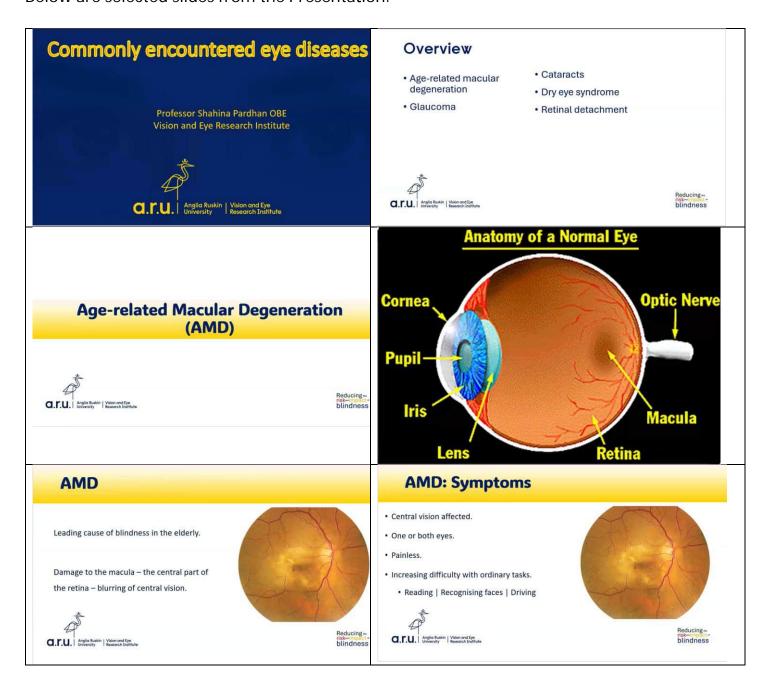
retinopathy/linguistically-and-culturally-appropriate-videos

- Link to Eye Health Literacy Improvement Videos from Anglia Ruskin University · Vision and Eye Research Institute (VERI): https://www.aru.ac.uk/vision-and-eye-research-institute/our-research/diabetic-
- What is Ai Chi?
   <a href="https://en.wikipedia.org/wiki/Ai\_Chi">https://en.wikipedia.org/wiki/Ai\_Chi</a>
- City of Toronto: Online registration for recreation programs. You will need to create a free Parks & Rec account to search the listings of available programs: <a href="https://www.toronto.ca/OnlineReg">https://www.toronto.ca/OnlineReg</a>
- City of Toronto: Search for available programs:
   <a href="https://anc.ca.apm.activecommunities.com/toronto/activity/search?date\_after=2025-09-20&viewMode=list">https://anc.ca.apm.activecommunities.com/toronto/activity/search?date\_after=2025-09-20&viewMode=list</a>
- City of Mississauga: Search for available programs:
   https://anc.ca.apm.activecommunities.com/activemississauga/activity/search?onlineSiteId=
   <u>0&activity\_select\_param=2&viewMode=list</u>

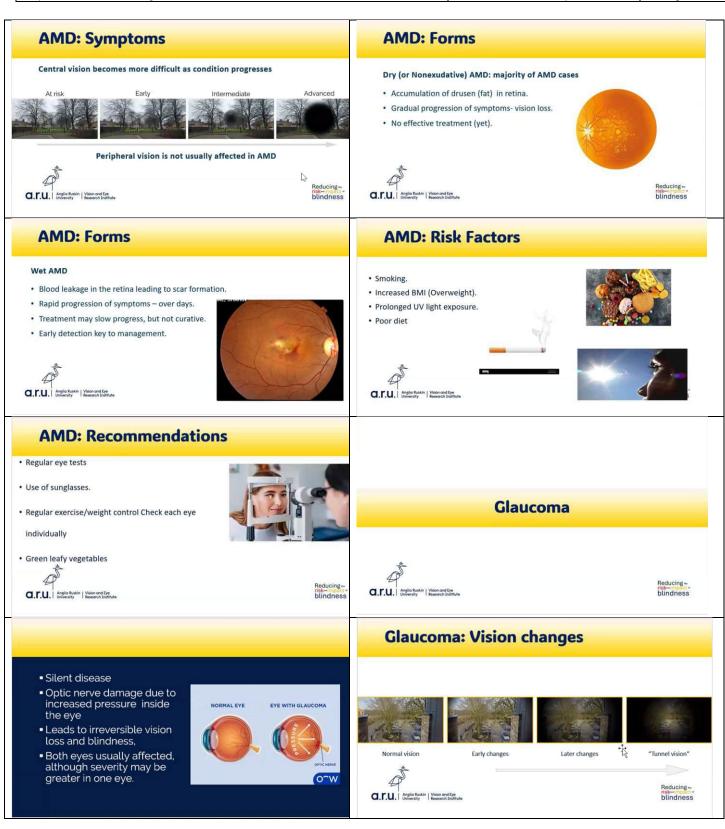
Event: HPAO Toronto – Macular Degeneration and Ai Chi Exercises	Event Date: Sep 19, 2025	Colin Erwin
Zoom Meeting		
Topic: Quick Summary and Post-Talk Resources	Revision Date: Sep 20, 2025	Page 3 of 9

## Discussion

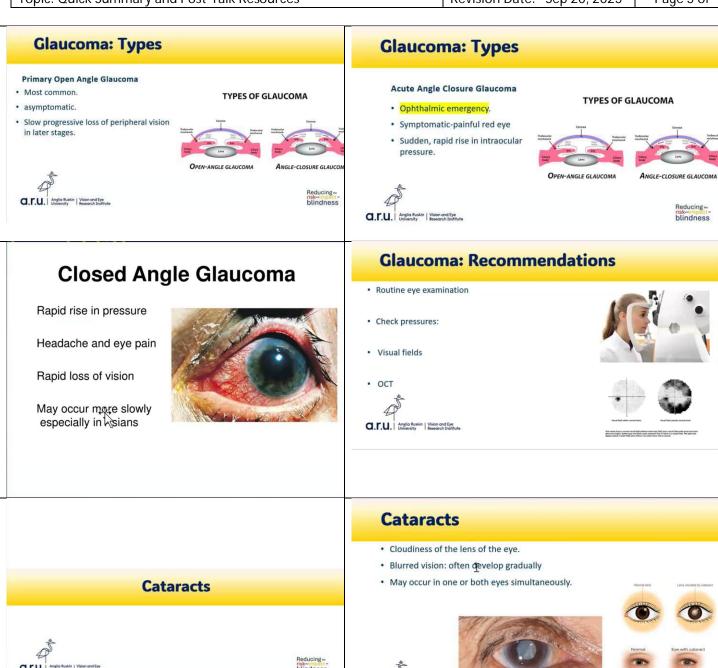
Below are selected slides from the Presentation.



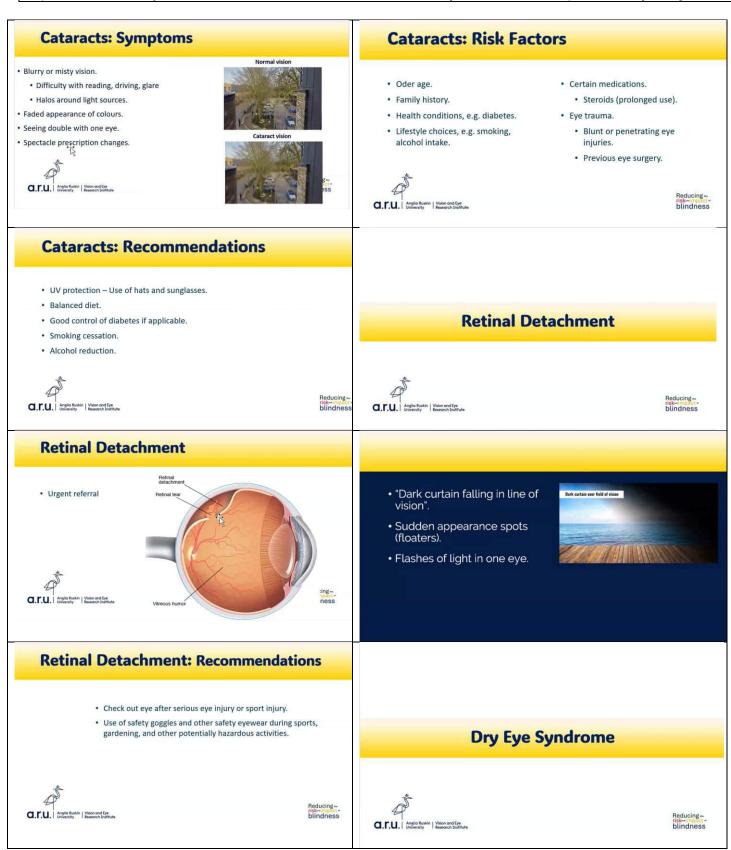
Event: HPAO Toronto – Macular Degeneration and Ai Chi Exercises	Event Date: Sep 19, 2025	Colin Erwin
Zoom Meeting		
Topic: Quick Summary and Post-Talk Resources	Revision Date: Sep 20, 2025	Page 4 of 9



Event: HPAO Toronto – Macular Degeneration and Ai Chi Exercises	Event Date: Sep 19, 2025	Colin Erwin
Zoom Meeting		
Topic: Quick Summary and Post-Talk Resources	Revision Date: Sep 20, 2025	Page 5 of 9



Event: HPAO Toronto – Macular Degeneration and Ai Chi Exercises	Event Date: Sep 19, 2025	Colin Erwin
Zoom Meeting		
Topic: Quick Summary and Post-Talk Resources	Revision Date: Sep 20, 2025	Page 6 of 9

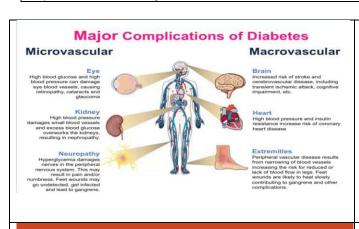


Event: HPAO Toronto – Macular Degeneration and Ai Chi Exercises	Event Date: Sep 19, 2025	Colin Erwin
Zoom Meeting		
Topic: Quick Summary and Post-Talk Resources	Revision Date: Sep 20, 2025	Page 7 of 9



2015 one in 11 adults has diabetes THE GLOBAL PREVALENCE OF DIABETES AMONG ADULTS Over 18 years of age has risen from 4.7% in 1980 to 8.5% in 2014

Event: HPAO Toronto – Macular Degeneration and Ai Chi Exercises	Event Date: Sep 19, 2025	Colin Erwin
Zoom Meeting		
Topic: Quick Summary and Post-Talk Resources	Revision Date: Sep 20, 2025	Page 8 of 9



Complications in the eye- mostly due to uncontrolled diabetes



Blindness due to diabetes is largely preventable – if caught and treated on time

It can be prevented !!!!!

- Diabetic eye diseases can lead to vision loss if undiagnosed.
- Early detection is critical: early treatment can reduce the risk by 60-90%.

Risk factors for diabetic retinopathy?

Non-Modifiable

- 1. Age
- 2. Duration
- 3. Women
- 4. Lower socio-economic/education backgrounds
- 5. Ethnicity : South Asians and Black people : 3-6X higher risk Type 2 diabetes

#### Why ethnic differences?

#### Possible genetic factors:

- 1. Central or abdominal obesity- South Asians more likely to have excess fat stored around the abdomen
- 2. Lower rate of fat metabolism: do not burn fat as well as efficiently
- 3. Reduced sensitivity to insulin

Risk factors for diabetic retinopathy?

#### Modifiable

- Retinal screening
- 2. Poor control (blood glucose, blood pressure, cholesterol)



Event: HPAO Toronto – Macular Degeneration and Ai Chi Exercises	Event Date: Sep 19, 2025	Colin Erwin
Zoom Meeting		
Topic: Quick Summary and Post-Talk Resources	Revision Date: Sep 20, 2025	Page 9 of 9



# Acknowledgements

Producing this event was again very much a Team Effort. Thanks to:

- Nazma Premji for initiating the idea for this event, arranging our speaker, and tabulating the registrations.
- Our Guest Presenters: Dr Shahina Pardhan, and Diane Chadwick.