



Non mydriatic retinal photography –
a roundtable in preparation for new MBS items for people with diabetes

25 July 2016

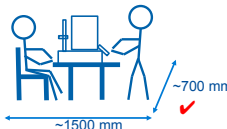
Resources ^{and thoughts} to assist AMS implementing NMRP

Mitchell Anjou



Fully automated
alignment, focus and
image capture ✓

Weight 19 kg
Size 580 x 550 x 330 mm ✓



dark room
for
dilation



40 degree field of view ✓
3.8 minimum pupil size ✓
Less than 10 minutes per person ✓



Some quick clinic cost modelling

Camera cost \$20,000

Lease over 3 years \$600/month

MBS item \$50

\$600/\$50 = 12 items/patients per month to cover lease costs

With annual exams (Indigenous population)

Need 144 people with diabetes without retinopathy (or **216 in total with diabetes**)

With biannual exams (non Indigenous population)

Need 288 people with diabetes without retinopathy (or **432 in total with diabetes**)

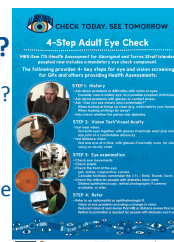


MBS mandatory eye checks in Health Assessments for Aboriginal and Torres Strait Islander adults and older people

MBS Item 715

What to check for an eye check?

- (History) Problem with vision or eyes?
- (VA) Visual acuity (near and distance)
- (Exam) Include trichiasis
- (Refer) People with diabetes require annual retinal exams



The Royal Australian
College of General
Practitioners



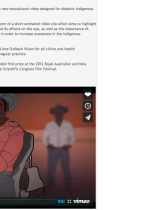
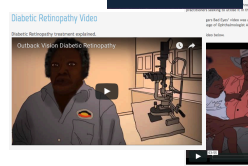
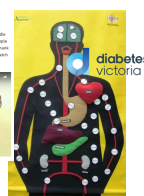
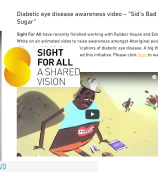
CHECK TODAY. SEE TOMORROW

‘Check Today, See Tomorrow’ resources supports the key diabetes eye care messages



Aboriginal and Torres Strait Islanders

Diabetes is a long condition to live with. It's important to get regular eye exams. Please see your doctor to learn about the benefits of the National Diabetes Screen (NDS).



DIABETIC RETINOPATHY GRADING

This self-directed online learning resource is designed to provide training in grading diabetic retinopathy. It is available in English, Mandarin and Spanish and a certificate of competency is provided after successful completion.

www.dgrading.unimelb.edu.au

RAHC TRACHOMA MODULE

This module provides an overview of key elements addressing the assessment, screening, diagnosis and management of trachoma.

www.rahc.com.au/learning

RAHC EYE HEALTH AND DIABETES MODULE

This module aims to provide health professionals working in Indigenous communities with an overview of the management of eye care for people with diabetes and will draw on findings from the Roadmap to Close the Gap for vision.

www.rahc.com.au/learn

TRACHOMA GRADING SELF-DIRECTED LEARNING

This self-directed online learning resource provides a learning aid for health workers to become and maintain proficiency in assessing the signs of trachoma with particular emphasis on grading to simplified WHO classification.

www.ishut.unimelb.edu.au/trachoma

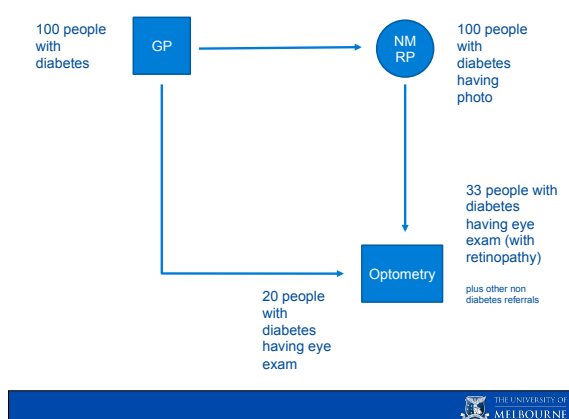
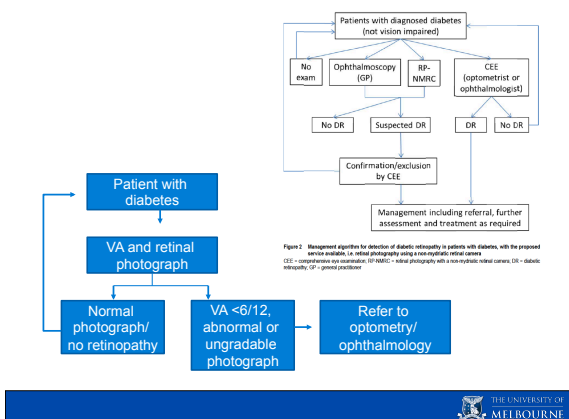
DIABETIC RETINOPATHY GRADING

Now available online and of no cost in English, Chinese, Portuguese, French, Spanish & Urdu depending on the user's preference.

www.dgrading.unimelb.edu.au

Diabetic Retinopathy Screening Card

Check for 'red' or 'green' signs to determine if a patient is 'at risk' of diabetic retinopathy. The card is available in English, Chinese, Portuguese, French, Spanish & Urdu.



Number of people with diabetes who have annual retinal examination

Number of people with diabetes

=

Diabetic retinopathy annual screening rate

2008 national rate (NIEHS) 20%

2015 national rate (NEHS) 7%

Chronic disease performance measure at { clinic region jurisdiction nation }