

The First Issue of NED newsletter

Message from NED Steering Committee

Welcome to the first issue of NED newsletter.

NED was established in 2007 as an eye health information system. It began with 6 patient registries, i.e. Cataract Surgery Registry (CSR), Diabetic Eye Registry, Contact Lens-Related Corneal Ulcer Surveillance, Glaucoma Registry, Retinoblastoma (RB) Registry, and Age Related Macular Degeneration Registry and a monthly ophthalmology service census. Currently, only CSR, RB registry and monthly service census are active.

There are also new features added i.e. eCUSUM, a software to monitor individual cataract surgeon's competency, adverse incident reporting for intraocular lens and suspected endophthalmitis, online registry charting and a link to national transplant regis-

try to report on corneal transplant.

CSR began in 2002 with paper-based data collection and since 2007, operates via NED as web-based registry. Till date, it has 9-year data on 171,482 cataract surgeries performed at 37 Ophthalmology departments in MOH, with coverage of 88.9% in 2011. Though we must strive to archive better coverage, what we have archived is indeed a great achievement. We want to thank all of you who make this possible.

However, big undertaking like this has its challenges, We must be frank with ourselves that we have not optimise the use of registry data to improve our service. We have not publish the findings in peer review journal. Also although data in NED are downloadable, many staff with access right do not know or use such functions.

Thus we initiated the NED newsletter with the aim to supplement NED annual report but reach out to more people. The newsletter will highlights important findings which we hope to eventually stimulate interest of staff to use NED data as means to improve standard of care and for publication, and to gain continuous support of staff in collecting high quality data.

This first issue shares why, who and what can be downloaded from the website.

We welcome feedback from you.

Happy reading and thank you.



Tulips at Kungstrgarden (Kings' Garden) Stockholm

Cataract Surgery Registry— facts

- Increasing coverage of cataract surgery in MOH (*Figure 1*)
- Mean age of patients at 64 – 65 years [younger than results published by the Swedish cataract surgery register (74 years)]

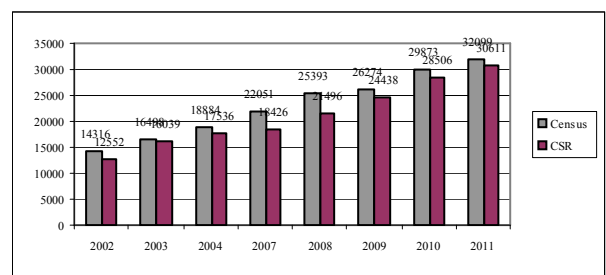


Figure 1: Number of cataract surgery by year (census and CSR)

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Username and Password

We are on the web!
<http://www.acrm.org.my/ned/>

You must have username and password to access the NED web application. Please apply today.

Contact the manager:

Phone: 603-6120 3233 ext 4169

Fax: 603-6120 2761

Email: ned@acrm.org.my

Website: <http://www.acrm.org.my/ned>

Cataract Surgery Registry— facts (co-morbidity)

- Percentage of patients with systemic co-morbidity. (Table 1)

- Percentage of patients with Hypertension and Diabetes Mellitus. (Figure 2)

- One third of the eyes had ocular co-morbidity. The commonest ocular co-morbidity was Diabetic Retinopathy in any forms. (Figure 3)

Year	2002	2003	2004	2007	2008	2009	2010	2011
Total patients	12798	16815	18392	18426	21496	24438	28506	30611
Patients with Systemic co-morbidity (%)	56.8	59.1	59.9	67.5	68.7	71.0	70.6	72.0

Table 1: Percentage of patients with systemic co-morbidity by year

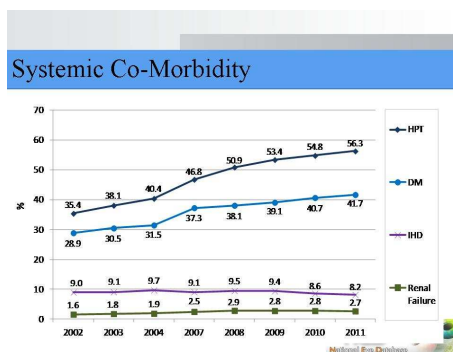


Figure 2: Percentage of patients with specific systemic co-morbidity by year

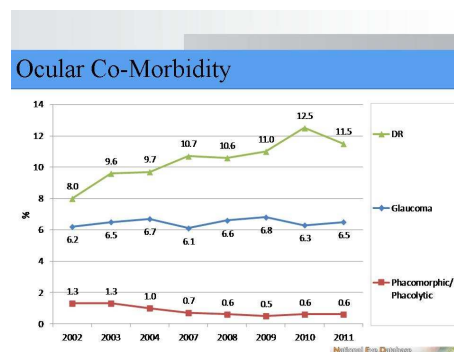


Figure 3: Percentage of eyes with specific ocular co-morbidity by year

Cataract Surgery Registry— facts (practice pattern)

- Increasing percentage of day care surgery. (Table 2)

- Shift in practice from ECCE to Phaco. (Figure 4) Both showed an increasing trend though the figures are lower as compared to other reported series

Year	2002	2003	2004	2007	2008	2009	2010	2011
CSR	12798	16815	18392	18426	21496	24438	28506	30611
% Daycare	39.3	38.1	40.0	41.9	42.6	47.2	51.5	52.3

Table 2: Daycare Surgery by year

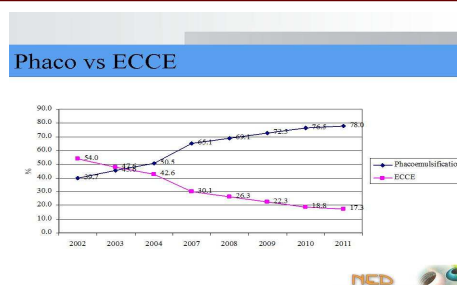


Figure 4: Phaco and ECCE by year

Scientific Writing Committee—you are invited to join us

This committee is formed under the NED steering committee.

The current members are:

Dr Goh Pik Pin (Chairperson)

Dr Mariam Ismail

Dr Mohamad Aziz Salowi

Dr Lee Ming Yueh

Dr Mokhlisoh Mohd Apandi

Puan Tassha Hilda Adenan

The aim of this committee is to explore CSR dataset and identify the potential variables for analysis and identify potential areas for research and publication. The ultimate aim is generate publications from CSR in a form of scientific manuscripts and general info to the users.

Meetings are held monthly on Thursday 8am—5pm at the meeting room,

Level 1, CRC, MMA building, Jalan Pahang. (Opposite HKL)



Interested? Please contact NED manager or committee members.

E-CUSUM and cataract logbook download—new feature

CUSUM is a graphic representation of the trends in the outcomes of a series of consecutive procedure performed over a period of time by a single surgeon.

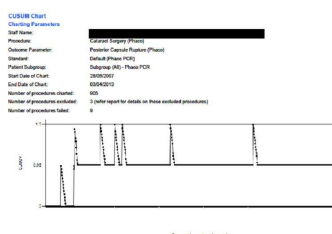
It generates real time performance charts for individual surgeons. The calculation for the chart is based on acceptable or universal standards. Values are upgradable to meet current requirements.

In Ophthalmology, we apply CUSUM to monitor the performance of cataract surgeons in PCR intra-operatively and visual acuity post-operatively. Data for analysis is captured from the CSR.

E-CUSUM was launched on the 13th November 2008 but login data has so far shown that it has been underutil-

ised.

E-CUSUM now comes with improved features. You can now download your own cataract logbook in Microsoft Excel file with your name and your CUSUM performance chart included.



This CUSUM performance chart will be included in your cataract logbook

This is your cataract surgery logbook. Data in this excel file can also be filtered and analysed for individual audit.

Items which are required in the logbook can now be downloaded fast, in real time and wherever you are! In contrast to NED access and downloadable items which are limited to your current place of practice, e-CUSUM allows you to download your own data even if you have been transferred elsewhere.

Click: <https://app.acrm.org.my/ecusum/>

Apply for your password today...

International Collaboration

NED is expanding! We have started collaborative work with:

- Swedish Cataract Surgery Register/EUREQUO—initial work has started. We will be sharing data with some of the EU countries to produce publication work on patients' demography, intra-operative complications and visual outcome.
- International Consortium for Health

Outcomes Measurement (ICHOM), US based— we are now a member of the cataract working group of ICHOM. The aim of this group is to define the minimum standard outcome measures for cataract



surgery to allow meaningful comparison to be made at the global level

Future collaboration is planned with:

- Aravind Eye Hospital, India
- University of Aberdeen, UK

Download function in the website—frequently asked questions

WHY DOWNLOAD DATA?

Data in NED can be downloaded from the website for the purpose of:

1. Service planning and policy making
2. Departmental planning /audit
3. Individual audit and training

WHO CAN DOWNLOAD DATA?

Anybody can download data according

to your designation and access right.

WHAT CAN BE DOWNLOADED?

You can download the following items (pertaining to own department):

1. Cataract Surgery Raw Dataset
2. Cataract Surgery Realtime Descriptive Reports on Preclerking, Operative and Outcome
3. Monthly Ophthalmology Census Real

Time Descriptive Reports

4. CUSUM charts and cataract logbook
5. KPI print outs
6. NED Annual Reports (PDF file)



Download data from website. Apply for your NED passwords today!

NATIONAL EYE DATABASE

Manager,
National Eye Database,
c/o Clinical Research Centre
Level 4, Specialists Office Selayang

Phone: 603-6120 3233 ext 4169

Fax: 603-6120 2761

Email: ned@acrm.org.my

<http://www.acrm.org.my/ned/>

The National Eye Database (NED) is a service supported by the Ministry of Health (MOH) as an approach to collect health information. It collects data on incidences and distributions, and evaluates risk factors as well as treatment outcome of visually threatening eye diseases such as cataract, diabetic retinopathy, glaucoma and contact lens related corneal ulcer. In the initial phase, NED will collect data on cataract surgery, status of diabetic retinopathy in new diabetic patients, contact lens related corneal ulcer and glaucoma patients. Besides disease registry, NED also collects monthly service census of MOH Ophthalmology departments. The census serves as an effort to monitor key performance indicators of each ophthalmology department in the MOH.

Information collected in the NED is very useful in assisting the MOH, Non-Governmental Organizations, private healthcare providers and industry in program planning and evaluation, leading to eye disease prevention and control as well as continuous improvement of ophthalmic service in the nation

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Stockholm

NED was invited by the Ministry of Health and Social Affairs Sweden to participate in the Fine Tuning Health Care Conference in Stockholm from 20-22nd May 2013.

As part of the conference, we also had several other important preconference meetings and visits from 13-20th May 2013 at these places:

- 1) Cataract Surgery Registry Coordinating Centre, Swedish Association of Local Authorities and Regions— Discussion with Prof Matts Lundstrom and Miss Bodil Klintberg (Quality Registry Coordinating Officer in the Swedish Association of Regions and Local Authorities) regarding Swedish Model for funding and operation of registries.
- 2) Ministry of Health and Social Affairs Sweden— Discussion with Prof Matts Lundstrom and Miss Ingrid



Stortorget Square, GAMLASTAN—STOCKHOLM (Near The Noble Museum)

Schmidt (Senior Advisor, Ministry of Health and Social Affairs) regarding Health System in Sweden.

- 3) Karolinska Institutet -Discussion with Dr Staffan Lindblad (Rheumatologist and Professor of Medical Management) on

4)

selected registry and patients' engagement concept.

St Erik's Eye Hospital— Meeting with the CEO and the Clinical Director. We were given demonstration on the EMR of the hospital and paid visit to their clinic and OT. At the end of the visit we listened to the presentation from Dr Goh Pik Pin on Malaysian Cataract Surgery Registry and from Dr Ravi Ravindran from Aravind Hospital on Aravind Hospital System.

The meeting has paved way for NED to expand its network and put itself in the world registry map. It gives a rare opportunity for NED to participate in the international arena alongside other world established registries and allows NED to explore its potential role in the improvement of registry globally.