



# NATIONAL INSTITUTES OF HEALTH

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15 August 2018



RGAO10007016

To : Institute Directors/ Research Faculty/ Deans  
UP Manila

From : *amaria de la paz*  
**EVA MARIA CUTIONGCO-DE LA PAZ, MD, FPPS**  
Vice Chancellor for Research, UPM and  
Executive Director, NIH

Re : **UP Manila-NIH Monthly Research Forum**

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Please be informed that the UP Manila-NIH Research Forum entitled, "**Cassini Corneal Shape Analyser (CSA): Frontiers in Corneal Shape Analysis and its use in Refractive Surgery**" will be held on **23 August 2018, Thursday, 9:30AM - 12:00NN.** at the **Romeo B. Espiritu Auditorium 5th Floor Sentro Oftalmologico Jose Rizal.**

Attached for your reference is a copy of the program.

Kindly disseminate this information to all your constituents and confirm the names of attendees to Mr. Daryl Farrales at (02) 567-2054 or [dpfarrales2@up.edu.ph](mailto:dpfarrales2@up.edu.ph).

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**University of the Philippines Manila**

THE HEALTH SCIENCES CENTER

**Cassini Corneal Shape Analyser (CSA):  
Frontiers in Corneal Shape Analysis and its use in  
Refractive Surgery**

Speaker: Victor Arni DP Sicam, PhD

23 August 2018, Thursday

Venue: Romeo B. Espiritu Auditorium,  
5<sup>th</sup> Floor Sentro Oftalmologico Jose Rizal

Time: 0930-1100AM

**Introduction:**

The cornea is responsible for more than two thirds ( $2/3$ ) of the refractive power of the eye. Therefore many refractive solutions such as cataract refractive surgery and lasik refractive surgery involve measurement of the corneal shape. In lasik refractive applications, removal of minute portions of the cornea of the order of  $1/100$  of a millimeter creates dramatic improvement in vision. It is therefore important to have corneal shape measurements that are accurate and precise. The Cassini CSA is an invention of a Filipino scientist who did his PhD studies in Medical Physics at the VU University Amsterdam in the Netherlands. The invention was patented in 2007 and became available in the market in 2014.

**Objectives:**

- 1) To discuss history of corneal shape analysis including a Filipino invention that is currently becoming the gold standard in corneal shape diagnostic: the Cassini CSA
- 2) To discuss the impact of Cassini CSA on toric intraocular lens implants in cataract refractive surgery: no refractive surprises!
- 3) To discuss other benefits of Cassini CSA in clinical applications.

University of the Philippines Manila

National Institutes of Health

**Monthly Research Forum entitled: “Cassini Corneal Shape  
Analyser (CSA): Frontiers in Corneal Shape Analysis and its use  
in Refractive Surgery”**

**PROGRAM**

August 23, 2018, Thursday

9:30 a.m. – 11:00 a.m.

Romeo B. Espiritu Auditorium 5<sup>th</sup> Floor Sentro Oftalmologico Jose Rizal

9:30 – 9:45AM	Registration	PERI Admin
9:45 – 9:50AM	Prayer	Juliet V. Daquiz, RN
9:50 -10:00AM	Opening Remarks	Alvina Pauline D. Santiago, MD
10:00 – 10:10AM	Introduction of Speaker	Aubhugn T. Labiano, MD
10:10 – 10:40AM	“Cassini Corneal Shape Analyser (CSA): Frontiers in Corneal Shape Analysis and its use in Refractive Surgery”	Victor Arni DP. Sicam, PhD
10:40 – 10:50AM	Open Forum	
10:50 – 11:00AM	Closing Remarks	Alvina Pauline D. Santiago, MD

Moderator: Jose Antonio T. Paulino, MD