



# DIABETIC RETINOPATHY

**FROM BENCH TO POPULATION**

**September 9 - 11, 2010 Chennai, India**



*Program & Events*

## Important Telephone Numbers

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Transport	:	Dr. Kasinathan	-	098403 80413
Accommodation	:	Dr. Sudhir. S	-	093829 35868
Preview	:	Dr. Pratik R Sen	-	098843 32346
Posters	:	Dr. Pradeep S	-	098412 24547
Trade Stalls	:	Dr. Jaydeep W	-	099529 55987
Catering	:	Ms. G G Malathi	-	093828 32910
Organising Secretary	:	Dr. Rajiv Raman	-	093835 72509
Conference Secretariat	:	Sankara Nethralaya	-	044 - 2827 1616

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## Session I: Is Diabetes an Asian disease?

Day I: Thursday, 9th September 2010 - Chairs: Dr Ronald Danis, Dr Tarun Sharma

Time	Title	Speaker
9.00 - 9.15AM	Prevalence of diabetic retinopathy in various ethnic groups: world-wide perspective	Dr Shobha Shivaprasad, London, UK
9.15- 9.30 AM	Singapore Malay Eye study : Diabetic retinopathy Reports	Dr Laurence Lim, Singapore
9.30-9.45 AM	Sankara Nethralaya Diabetic Retinopathy Program Epidemiological Data: Excerpts from the published reports	Dr Tarun Sharma, Chennai, India
9.45 - 10.00 AM	Automated Diabetic retinopathy grading algorithms	Dr Meindert Niemeijer, Netherland
10.00 - 10.05 AM	POSTER SNAP-SHOT Diabetic Retinopathy - Prevalence, severity, associated risk factors and level of awareness about retinopathy in Diabetics and treating physicians: a hospital based study	Dr. Navratan Dhanuka
10.05 - 10.25 AM	Key note address: <b>Newer horizons in the Epidemiology of Diabetes and Diabetic Retinopathy, Chennai, India</b>	Dr V Mohan. Chennai, India
10.25 - 10.45 AM	Discussion	

## Session 2: How to quantify the treatment outcome?

Day 1: Thursday, 9th September 2010 - Chairs: Dr. Srinivasa Sadda, Dr. Muna Bhende

Time	Title	Speaker
11.15-11.30 AM	Automated, Quantitative Approaches to Imaging for Diabetic Retinopathy	Dr. Srinivasa Sadda, LA, USA
11.30-11.45 AM	Retinal vessel calibre and Diabetic retinopathy	Dr. Laurance Lim, Singapore
11.45-12.00 PM	Correlation of SD-OCT findings and functional outcome in retinopathy	Dr. Srinivasa Sadda LA, USA
12.00-12.15 PM	Clinical and functional primary end-points in future Diabetic retinopathy trials	Dr. Timothy Lai, Hongkong
12.15-12.30 PM	OCT in DME, Can we predict visual recovery?	Dr. Lingam Gopal, Chennai, India
12.30-12.50 PM	Key note address : <b>Classification of Phenotypes of DR</b>	Prof José G Cunha-Yaz, Portugal
12.50- 1.05 PM	Discussion and Delegate Voting	

## Session3: Which tool is best for mass screening?

Day 1: Thursday, 9th September 2010 - Chairs: Dr.Taraprasad Das, Dr. Kim R

Time	Title	Speaker
2.30-2.45 PM	Overview of diabetic retinopathy screening models in India	Dr Padmaja K, Hyderabad, India
2.45-3.00 PM	Telemedicine protocols for Diabetic Retinopathy screening	Dr Kim R, Madurai, India
3.00-3.15 PM	Telescreening for Diabetic retinopathy in India	Dr Rajiv Raman, Chennai, India
3.15-3.30 PM	Partnership and linkages in Diabetic Retinopathy screening	Dr Taraprasad Das, Bhuvneshwar, India
3.30-3.40 PM	Special lecture Tips to write successful grants	Dr. Krishnakumar, Chennai, India
3.40-4.00 PM	Key note address : <b>Global networking of reading centers</b>	Dr Ronald Danis, Wisconsin, USA
4.00-4.30 PM	Discussion and Delegate Voting	

## Session 4: Digging up the basics "Molecular targets"

Day 2: Friday, 10 September 2010 - Chairs: Dr Arup Das, Dr Sulochana KN

Time	Title	Speaker
10.30- 10.45 AM	Mitochondrial dysfunction in retinopathy:	Dr Angayarkanni N, Chennai, India
10.45- 11.00 AM	Massively Parallel Sequencing for Retinal Transcriptome Signatures and Validation of Molecular Efficacy of Candidate Drugs for Diabetic Retinopathy	Dr Raj Kandapal, California, USA
11.00- 11.15 AM	Adiponectin in Diabetic Retinopathy	Dr Sulochana KN, Chennai, India
11.15- 11.30 AM	Blood retinal Barrier abnormalities and treatment of retinopathy	Dr José G Cunha-Yaz, Portugal
11.30-11.45 AM	Clinicopathological changes in diabetic retinopathy	Dr J Biswas, Chennai, India
11.45 -11.50 AM	POSTER SNAP-SHOT Gold nanoparticles inhibit hyperglycemia induced Retinal Endothelial Cell Damage in Bovine Retinal Endothelial Cells	Selvaraj Barath ManiKanth
11.50-11.55 AM	POSTER SNAP-SHOT Antiangiogenic effects of Ursolic acid on Bovine retinal Pericyte (BRPC)	Lakshminarasimhan Harini
11.55-12.15 PM	Key note address : <b>Molecular Targets of "Diabetic Macular Edema"</b>	Dr Arup Das, New Mexico
12.15-12.30 PM	Discussion	

## Session 5: Surgical approach to DR

Day 2: Friday, 10 September 2010 - Chair: Dr TaraPrasad Das, Dr Cyrus Shroff

Time	Title	Speaker
3.30-3.40 PM	Surgical Principles in Diabetic Vitrectomy	Dr Murlidhar NS, Bangalore, India
3.40-3.50 PM	Vitrectomy for Diabetic Macular edema	Dr A. Giridhar, Cochin, India
3.50-4.00 PM	Instrumentation in MIVS	Dr. Saravanan V, Coimbatore, India
4.00-4.10 PM	Bimannual Vitrectomy for Proliferative Diabetic Retinopathy	Dr Pramod Bhende, Chennai, India
4.10-4.20 PM	Minially Invasive Vitreous Surgery for Advanced Diabetic Retinopathy	Dr Atul Kumar, Delhi, India
4.20-4.30 PM	Surgical Nuances of Diabetic Vitrectomy	Dr Cyrus M Shroff, Delhi, India
4.30-4.40 PM	25 gauge Diabetic vitrectomy	Dr Gopal Pillai, Cochin, India
4.40-4.50 PM	Outcomes of vitreous surgery in Diabetic retinopathy	Dr Natarajan S, Mumbai, India
4.50-5.00 PM	Special lecture Tips to take good surgical video	Dr Vatsal S Parikh
5.00-6.00 PM	Discussion and delegate voting Interesting case discussions: Theme: Diabetic Vitrectomy: Challenging situations; Moderator: Dr Saurabh Luthra, Dehradun, India , Dr Ekta Rishi, Chennai, India Panel : Dr Lingam Gopal, Dr Cyrus M Shroff, Dr Kim R, Dr Giridhar A, Dr Vatsal S Parikh	

## Session 6: Team-work in DR

Day 3: Saturday, 11th September 2010 - Chairs: Dr MK Mani, Dr Dhanashree Ratra, Chennai, India

Time	Title	Speaker
8.00-8.10 AM	Glycemic control in patients with Diabetic Retinopathy	Dr Anand Moses, Chennai, India
8.10-8.20 AM	Lipid Lowering drugs in Diabetes	Dr Krishna Seshadri, Chennai, India
8.20-8.30 AM	Human GLP-I agonist: Liraglutide A Paradigm shift in the management of Diabetes	Dr Matthias Mahn, Germany
8.30-8.40 AM	Type I Diabetes management in DR	Dr Paneerselvam, Chennai, India
8.40-9.00 AM	Special lecture Diabetes and India	Dr SS Badrinath, Chennai, India
9.00-9.20 AM	Key note address: <b>Diabetic Renal-Retinal Syndrome</b>	Dr MK Mani, Chennai, India

## Session 7: Non Surgical approach in DR

Day 3: Saturday, 11th September 2010 - Chairs: Dr Lingam Gopal, Dr Pukhraj Rishi

Time	Title	Speaker
9.45-10.00 AM	Preferred Practice Pattern in Diabetic Retinopathy	Dr Dhanashree Ratra, Chennai, India
10.00-10.15 AM	Treating DR beyond Anti-VEGF and Laser	Dr Mangat Dogra, Chandigarh, India
10.15-10.30 AM	Comparative study of efficacy and of collateral damage of laser burns using single spot Argon laser and Pattern Scan Laser (PASCAL)	Dr Manish Nagpal, Ahmadabad, India
10.30-11.00 AM	Key note address: <b>Pharmacotherapy in Diabetic Retinopathy: DRCR net results</b>	Dr Raj Apte, St Louis, USA
11.00-12.00 PM	Discussion and delegate voting Interesting case discussions Theme- DME: Laser Vs IVTA Vs Anti VEGF Vs Surgery: Dr Anand Subramaniam, Mumbai, India, Dr. Pukhraj Rishi, Chennai, India Panel: Dr Muna Bhende, Dr Mangat Dogra, Dr S Sadda, Dr Raj Apte	

## Session 8: Bench-work in DR

Day 3: Saturday, 11th September 2010 - Chairs: Dr Kasuri Jyothi, Dr Krishnakumar

Time	Title	Speaker
2.00-2.15 PM	"DR & DCCT - A Lesson for Vision and basic science insights":	Dr Balasubramaniam M, Chennai, India
2.15-2.30 PM	Effects of Brimonidine and Memantine on Neuroretinal Function and Retinal Vascular Changes of Streptozotocin-induced Diabetic Rats	Dr Kusari Jyothi, California, USA
2.30-2.45 PM	Inflammatory pathways in Diabetic retinopathy	Dr J Madhavan, Chennai, India
2.45-3.00 PM	Genetic Factors in Diabetic retinopathy: Perspective from SNDREAMS project	Dr Sripriya S, Chennai, India
3.00-3.05 PM	POSTER SNAP-SHOT Pigment epithelium derived factor inhibits EPO induced MMP activity in retinal endothelial cells via PI3K/Akt, ERK1/2 signaling	Ravinarayanan Haribalaganesh
3.05-3.10 PM	POSTER SNAP-PSHOT Inhibition of retinal pigment epithelial cell proliferation and migration by PEDF	Bose Karthikeyan
3.10-3.30 PM	Discussion	

## SESSION 9 LOOKING BEYOND TREATING DR

Day 3: Saturday, 11th September 2010 - Chairs: Dr Giridhar, Dr Pramod Bhende

Time	Title	Speaker
4.00-4.10 PM	DME in Chronic renal failure	Dr Pratik Ranjan Sen, Chennai, India
4.10-4.20 PM	Retinal vascular disorders (Vein occlusions) with Diabetic retinopathy	Dr Govinda Paudyal, Nepal
4.20-4.30 PM	Non responding Laser for PDR	Dr. Lalit Verma, Delhi, India
4.30-4.40 PM	Recurrent bleed after Diabetic Vitrectomy:	Dr. Muna Bhende, Chennai, India
4.40 -4.45 PM	POSTER SNAP-SHOT The Effects of Renal Transplantation on Diabetic Retinopathy: Long- Term Course and Visual Outcomes.	Dr Lala Akhundova,
4.45-5.10 PM	Discussion	

