

Nipping the kidney disorders in the bud – OMICS Group Medical Conferences

2nd International conference on Nephrology & Therapeutics was concluded on 29-31 July 2013, at Embassy Suites Las Vegas, USA.

HENDERSON, NV, USA, July 30, 2013 /EINPresswire.com/ -- The impurities in blood are removed by an amazing natural process of filtration through kidneys. This requires the right difference of pressure between external and internal intra-cellular environment and an ideal equilibrium that is maintained through natural balancing scenario.

In several countries, the popularity of renal restoration therapy (RRT) has increased. This is particularly in with England where there is over 50% rise in the past ten years. UK Health Protection Agency estimated the costs of strokes that occurred in the absence of Chronic Kidney Disease (CKD) therapy during 2009-19 as £1.44 to £1.45 billion, which is 1.3% of NHS spending during that year.

One in every 1,000 in USA is getting treated for ESRD and more than 19 million adults are living with some type of CKD. In Canada, approximately 1.9 to 2.3 million people is suffering from CKD.

According to World Health Organization (WHO) bulletin, Diabetic nephropathy is the leading cause of End-stage kidney disease (ESKD) in Australasia, Europe and North America, India,



Anil K Mandal, Mandal Diabetes Research Foundation, USA



Dinkar Kaw, University of Toledo, USA

several Latin American countries, Malaysia and Turkey. The treatment for the advanced kidney disease is generally very high and it is not included in the government budgets.

Nephro-2013

Taking the gravity of the situation into account, [OMICS Group](#) conducted its 2nd International Conference Nephro-2013 from 29-31 July at Embassy Suites Las Vegas, USA. Discussions & updates of the conference added value to the knowledge base was useful in saving thousands of lives prone to kidney failures or nephrology disorders. The delegates and participating representatives were from clinical and health bodies dealing with nephrology, experienced an opportunity to share knowledge and boosted collaboration.

Keynote address:

Renowned speakers Dr. Anil Mandal, Mandal Diabetes Research Foundation, Dr. Prabhakar Sharma, Texas Tech University, USA and Dr. Samy Habib, The University of Texas Health Science Center, USA delivered Keynote address

Opening Remarks

Guest of Honor Dr. Mordecai

Popovtzer, University of Arizona, USA and Dr. Anil Mandal, Mandal Diabetes Research Foundation made opening remarks at the conference.

Sessions emphasized on Diabetes & CKD, Fluid Electrolyte Disorders, ESRD, Dialysis, Advanced Technologies in Nephrology and Kidney & Other Systemic Disorders.

Eminent speakers that addressed the gathering include

John Maesaka, Winthrop University Hospital USA, has delivered his enlightening talk on 'Hyponatremia using the obsolete volume approach'. The parameters include renal salt-wasting and reset osmostat, in addition to SIDAH. Dr. Maesaka is a Chief Emeritus at the Division of



Prabhakar Sharma, Texas Tech University, USA



Nephrology and Hypertension at Winthrop University hospital. Maesaka observed that since SIADH was reported in autonomic failure, postural blood pressure changes do not always indicate volume depletion. The dangers of distal diuretics in RSW and confusion in hyponatremia were discussed.

Prabhakar Sharma, Texas Tech University, USA, presented his relevant findings. Contemporary research has been directed to determine if chronic kidney disease represents dangers of an epidemic. Dr. Prabhakar is a distinguished nephrologist currently at Texas Tech University Health Sciences Center, where he is a tenured professor in the Departments of Medicine and Cell Physiology and Molecular Biophysics, and the Chief of Nephrology Division and Vice Chairman, Department of Medicine. Dr. Prabhakar noted in his address that CKD screening for incidence, prevalence, and progression as well as preventive and novel therapeutic strategies is the focus of this presentation. An accruing trend of data in this regard from various continents like Asia and Europe, there is scope of early detection and prevention of the chronic kidney disease.



Samy Habib from The University of Texas Health Science Center USA, shed light on end-stage renal failure with prime cause as diabetes, in developing countries. Habib has completed his Ph.D at Roswell Park Cancer Center, Buffalo, NY and trained at University of California, Irvine, University of Texas, Austin, TX and University of Texas Health Science Center, San Antonio (UTHSCSA), TX. Studies are backed by the morphologic changes occurring in kidney sections of diabetic patient showed tubular thickening, glomerular and tubular hypertrophy. These data suggest that alterations in tubular cells structure including tubular thickening and hypertrophy are major mediators of the fibrotic process in diabetic nephropathy.

Anil K. Mandal, Diabetes Research Foundation USA, delivered valuable insights into the relation of nephrology diseases with diabetes. Mandal is board certified in Internal Medicine and Nephrology (kidney disease and hypertension). Dr. Mandal outlined the complications arising from diabetes and the effective approach to conservative management of the same. Glycemic control with insulin therapy, and hypertension control with antihypertensive drugs, but excluding angiotensin converting enzymes (ACEI) or angiotensin receptor blockers (ARB), is the mainstay of therapy for prevention of ESRD. ESRD may still develop in some, but frequent office visits with full attention to remediable factors are permissive of maintenance of an asymptomatic state of ESRD. Remediable factors include avoidance of use of nephro-toxic drugs.

Future OMICS Group Conference on Nephrology:

Overwhelmed by the response success of Nephro-2013, the OMICS Group announced the 3rd International Conference on Nephrology & Therapeutics ([Nephro-2014](#)) will be held on September 18-19, 2014 Valencia, Spain.

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