

# 3<sup>rd</sup> ANNUAL KIDNEY CONGRESS & 16<sup>th</sup> International Conference on **NEPHROLOGY & THERAPEUTICS** October 19-20, 2018 | New York, USA

## Post-transplant erythrocytosis

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The factors that contribute to the correction of anemia of Chronic Kidney Disease (CKD) after successful renal transplantation include the production of erythropoietin (EPO) from the allograft and elimination of bone marrow inhibitors which are present in the uremic milieu. Usually, anemia gets corrected by the 3rd post-transplant month. About 20% of the renal allograft recipients develop persistent high hematocrit of over 51%, a condition termed as post-transplant erythrocytosis (PTE). The pathogenesis of PTE is yet to be fully understood. A quarter of them remit spontaneously within 2 years while in others it persists for many years. Male sex, retention of native kidneys, transplant renal artery stenosis and a normal graft function are some of the predisposing factors for the development of PTE. Thromboembolic events occur in about 10-30% of those with PTE. The mortality rate is very less. Use of ACE inhibitors is a safe and well-tolerated treatment for PTE. Therapeutic phlebotomy is usually done when the hematocrit crosses 55% and is very effective. At NU hospitals, we had an unusually high incidence of PTE (26%). Fortunately, none were symptomatic.

## Biography

Padmanabhan Subramanian completed his DM in Nephrology from the All India Institute of Medical Sciences, New Delhi, India. He did his MBBS from Madurai Medical College Madurai and DNB in Internal Medicine from Southern Railway Head Quarters Hospital, Chennai. He was awarded the ISPD Fellowship in October 2003 and he trained under Late Dr DG Oreopoulos in Toronto Western Hospital, Toronto, Ontario, Canada. He did Postdoctoral Fellowship in Renal Medicine at the Singapore General Hospital, Singapore and was the Staff Nephrologist at the National Kidney Foundation Singapore before returning back to India. He is currently the Senior Consultant Nephrologist and Incharge of the Renal Transplant Program at NU Hospitals, Bengaluru, India. He has published over 30 papers in reputed journals. He is a peer reviewer for reputed journals. He is serving as the Executive council Member of the Southern Chapter of India Society of Nephrology.

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