

8th International Conference on

TISSUE SCIENCE AND REGENERATIVE MEDICINE

September 11- 12, 2017 Singapore

Rejuvenation approach to treat chronic kidney diseases**Shrikant L Kulkarni**
Kulkarni Clinic, India

Rejuvenate means make young or youthful again to an original new state by natural healing process. Kidney loses its functionality due to age, disease, damage or congenital defects. The therapeutic repair by self-healing process is the rejuvenation, regeneration or replacement. The current treatment approach includes transplantation of the kidney, tissue engineering cell therapy and gene therapy. In cell based therapy the exogenous material is used in unwilling failed organ forcefully but uncertainty about survival and adaption due to toxic environment in the host tissue. Creation of friendly environment is unsolved problem in cell based therapy. The main root cause for chronic kidney diseases (CKD) is fibrosis; to treat fibrosis is through the body's natural process of healing. Body can be repaired if fibrosis dissolved which restore blood circulation, elasticity of arteries and improve inflammatory immune system which creates the healthy microenvironment for regeneration of a damaged tissue. Rejuvenation is the self-repair self-directed and motivated autonomous process which is ideal treatment for the failed organ with recovery with physiological function. This endogenous natural process of healing replaces the young cells which are having strong stress tolerance for tissue survival. The aim of this article is to discuss the use of regenerative science self-organ regeneration by dissolving the fibrosis in renal parenchyma and stimulate in damaged tissues, which can be treated by Artificially Producing Hydronephrosis (APH treatment) method. The following steps are involved in this treatment: (1) The pelvic-ureteric junction (PUJ) is blocked to create hydronephrotic condition, (2) Due to increased back pressure the fibrosed renal parenchyma is dissolved, and (3) Remove the artificial block at PUJ causing back pressure reduction. This gives a healthy environment to regenerate the normal renal tissue from the renal stem cell niches which are present around the kidney cortex. The APH treatment makes use of the power of regeneration existing in our body. Theoretically the prognosis states that the stem cells niches between renal capsule and the cortex will start regeneration of normal renal parenchyma.

Biography

Shrikant L Kulkarni has completed his MS General Surgery in 1975 from B J Medical College in India and has completed his MBBS from Government Medical College Miraj. Since 1971, he has been working at several government hospitals like the Wanless Hospital Miraj, General Hospital Sangli, Sassoon Hospital Pune and multispecialty hospitals like Ruby Hall Clinic and Jehangir Nursing Home. He is currently working at his own clinic in India since more than 35 years.

kulkarniomas@gmail.com

Notes: