

16<sup>th</sup> World Congress on Tissue Engineering, Regenerative Medicine and  
Stem Cell Research6<sup>th</sup> World Congress on Oncology and Cancer Research

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**Regenerative medicine in geriatrics****P V Prabhakar Rao**

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**Abstract:**

From birth to death in human being, many biological changes occur. This is visciated more by co morbidities like cancer in geriatrics.

**Biological changes:**

1. Hair Turns Gray
2. Wrinkles Appear
3. Fat Replaces Lean Body Mass
4. Loss of Bone and Muscle Mass
5. Decrement in Lung Function
6. Hypertension, IHD
7. Renal Changes
8. Degeneration of the Brain Cells
9. Loss of Vision Acuity and Deafness
10. Cognitive Changes
11. Learning Disability

12. Alzheimer's' Disease

13. Osteoporosis In 60% of Woman above 70yrs of Age

14. Diabetes mellitus etc.,

Thus, it is a continued process of concurrent aging and co morbidities.

The regeneration can occur or be regarded as below:

**Life:** Nanotechnology has given new insight into retarding and repair of the tissues. Thus, it is very much helpful in the geriatrics. The process includes targeted cell implantation, biomimicking cell membranes, Polymers with programmable conformation and implant rejection,.

**Speaker Biography**

P V Prabhakar Rao is working as Emeritus Prof. at MNR Medical College & Hospital, Sangareddy, Telangana, India. He studied MBBS at Utkal University (1970) and MD (Respiratory Medicine) 1982 Sambalpur University. He served as professor in India and abroad. He has several publications in various journals and books. He is an Editor of Lung India and Indian Journal of Mednodent and Allied Sciences. He is fellow of \_ACCP (USA), NCCP (India). Best Teacher Awardee on International Teacher's day -2005. Recognition for Teaching Innovations 2011. Chaired a session of SAARC, WHO.1987.

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