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### Autologous bone marrow cell therapy for refractory leg ulcers

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**Introduction:** Chronic non healing ulcers of lower limb due to diabetes, sickle cell disease, peripheral vascular disease, hansen's disease, burns and venous ulcers which are refractory to conventional treatment are tried with autologous bone marrow derived mesenchymal stem cell therapy.

**Materials and Methods:** Ulcer healing was then observed with control group of similar type of ulcers where only

conventional ulcer therapy was tried.

**Results:** The progress of ulcer healing was then observed by appearance of good quality granulation tissue, marginal epithelial migration and ulcer contraction in stem cell applied ulcers in contrast to control group.

**Conclusion:** Autologous bone marrow cell therapy is panacea for the treatment of refractory leg ulcers.

#### Biography

Sribatsa Kumar Mahapatra is the pioneer of clinical application of adult mesenchymal stem cells research in India. He completed his MBBS (Hons) in 1977 from MKCG Medical College, Odisha, India, securing 1st position in University with Hons in SPM and Anatomy. He completed his MS (Surgery) in 1982, from PGI Chandigarh. He qualified Diplomate in National Board Surgery (1988), FIMSA (Surgery) 1992, FICS (Surgery) 1993, FAIS (Surgery) 1993, FRCS (Edin) General Surgery, 1995. He joined as a Lecturer in General Surgery at VSS Medical College, Burla in 1984 and then as Assistant Professor Since 1992 and served the community by giving comprehensive surgical care in Emergency, Elective & Laparoscopic Surgery and also with outstanding ability in teaching Clinical Surgery to Under Graduate & Post-Graduate students acclaimed by the students and authority, published research paper STETHOSCOPE SIGN in appendicitis in Surgical Journal of North India. He became Professor of General Surgery since 2007 and is engaged in teaching, treatment & research activities as relates to General Surgery to Under-Graduate, Post-Graduate students & comprehensive surgical care to community. He became Head of the Department of General Surgery on 8th October 2013 to 7th October 2015 (2 years) with teaching, treatment, research and administrative duties assigned to the post. He published surgical clinics of VSS Medical College Proceedings in 2014 and 2015. He has more than 32 years of experience in teaching and research field for which he is awarded with Dr. GS DAS MOHAPATRA ORATION AWARD-2013 and Dr. BP MISHRA ORATION AWARD-2015.

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