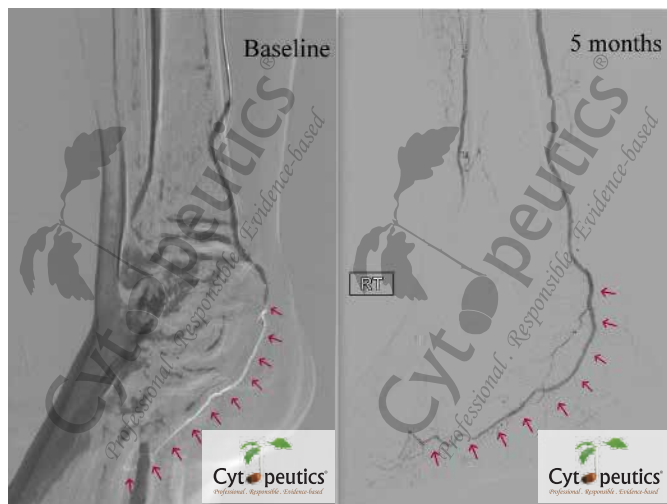


CRITICAL LIMB ISCHEMIA

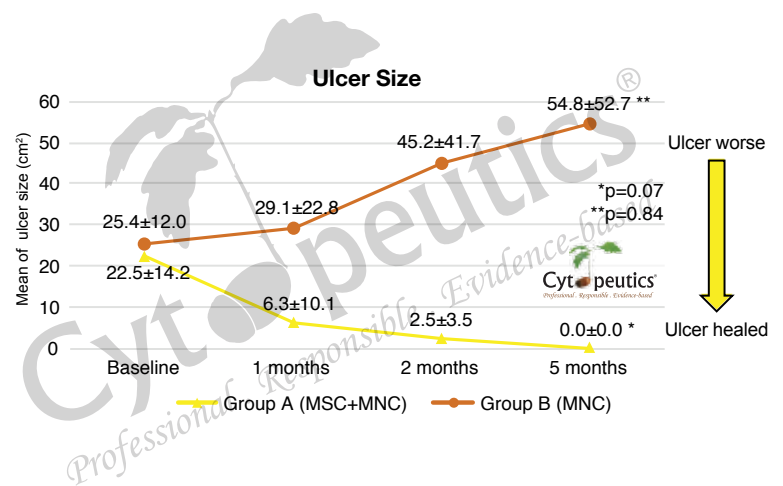
COMBINATION BM-MSC WITH BM-MNC IS BETTER THAN BM-MNC ALONE IN RESOLUTION OF LARGE ISCHEMIC ULCERS: A PHASE II/III CLINICAL RANDOMISED STUDY

H Hanafiah¹, I Azim¹, SP Chin³, MY Farina¹, S Shazana¹, SK Cheong^{3,4}, SAW Fadilah^{1,2}

¹Department of Surgery, ²Cell Therapy Center, Faculty of Medicine, Universiti Kebangsaan Malaysia Medical Centre, ³Cytopeutics, Malaysia, ⁴Tunku Abdul Rahman University, Malaysia.



A 58 year old male patient. Arrows in (Baseline) indicate that there is no flow below the ankle at baseline. Arrows in (5 months) indicate the newly visible collateral vessels below the ankle at 5 months after BM-MSC+MNC implantation.



Mean of ulcer size from baseline, 1, 2 and 5 months in both MSC+MNC and MNC only groups. There was complete healing of all ulcers (0.0 cm²). Where else, ulcers larger than 20.0 cm² tended to increase in size in the control group.

Mesenchymal stem cell injection generally resolved large ischemic ulcers and avoided the need for limb amputation

