

Dr Ian Mackenzie Rogan
BSC M.B.B.Ch
FRCS (Ed), FRCS (Eng), FCS (ORTH) S.A.

P O Box 651408
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Tel.: 011 883 3410
Fax: 011 883 3451
e-mail:macrogan@netactive.co.za

AUTOLOGOUS MATRIX INDUCED CHONDROGENESIS - A ONE YEAR FOLLOW-UP WITH CLINICAL AND MRI RESULTS

Dr M Barrow FCS (Orth) SA, Dr P Behrens M.D., Dr R Posner FFRAD (D) S.A. , Dr I M Rogan FCS (Orth) SA

From March 2002 to December 2003 eleven patients were operated on for cartilage resurfacing using Autologous Matrix Induced Chondrogenesis (AMIC). The average age was 29 years. All patients had failed previous surgery. One lesion was in the patella, four lesions were on the medial femoral condyle, and three lesions were on the lateral femoral condyle. One lesion was in the trochlea, two lesions were in the lateral tibial plateau. Ten patients were available for follow up. At one year follow up function improved from 3.6 to 6.6. Pain decreased from 6 to 2. MRI Scanning showed no host marrow oedema in eight patients. The graft host interface was normal in seven patients. There was no cyst formation in seven patients. The cartilage integration was full thickness in all ten. The graft contour was smooth in seven patients. There was effusion present in four patients. There was 75-100% filling in seven patients. The cartilage integration was complete in seven patients. There was no subsequent chondral sclerosis in five patients.

This cohort of patients is currently undergoing a two-year MRI and clinical appraisal and if these results are available they will be presented at the same time.