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Autologous matrix-induced chondrogenesis (AMIC) : a one-step procedure for retropatellar articular resurfacing

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Author(s) Benthien, Jan Philipp; Behrens, Peter

Author(s) at UniBasel [Benthien, Jan Philipp](#) ;

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The objective of this technical note is to describe the autologous matrix induced chondrogenesis (AMIC) procedure and to evaluate its possible role for resurfacing of retropatellar cartilage defects. AMIC is a one-step procedure combining microfracturing with application of a collagen I/III membrane to protect the initial blood clot and to serve as a scaffold for the developing chondrocytes. A retrospective analysis of our experience in three patients followed for 18 months is presented.

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