CONFERENCE ABSTRACT
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A NEW SOLUTION IN CARTILAGE REPAIR SURGERY OF JOINT LESIONS

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Key words: Agili-C, cartilage defect, joint lesions, arthrotomy.

OBJECTIVES AND BACKGROUND

The purpose of this study is to provide a simple, cost-effective, reproducible technology that is able to regenerate durable hyaline cartilage. Traumas and sports along with different diseases such as obesity or gradual degeneration over time of the joint surface determine cartilage defects resulting in pain and dysfunctionality.

MATERIALS AND METHODS

Since 2011 a number of 183 pacients were treated using Agili-C, out of which 40 pacients were operated in the IInd Clinic of Orthopaedics of the Timişoara Emergency County Hospital. The implant is a biphasic, porous, resorbable tissue regeneration scaffold used in the treatment of osteochondral defects. The surgical procedure is performed through minimal arthrotomy, with a good exposure of the cartilage defect. The implant is inserted so that the articular surface of the implant is parallel with the surrounding healthy cartilage. When in place, it facilitates vascularization thus allowing tissue formation to commence from the periphery towards the center of the defect.

RESULTS

Until now, results are promising, showing obvious improvements in pain and function in both degenerative and post-traumatic joint lesions in the knee, ankle and first MP joint.

CONCLUSIONS

Agili-C is a cell free, single stage, off the shelf implant that will hopefully meet market demands and become a reliable procedure in joint repair surgery in the future.

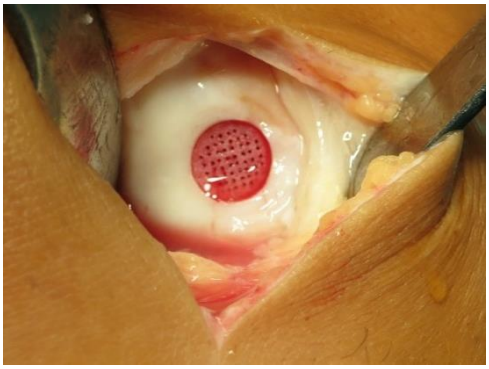
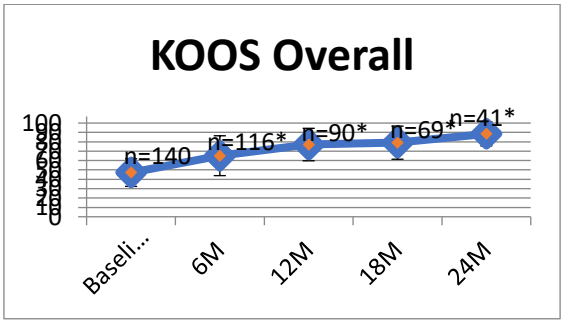


Figure 1: Intra-operative aspect after the implant is in place.



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FOOTNOTE

Agili-C is a product of CartiHeal Company.