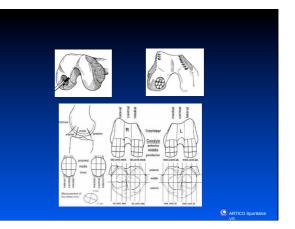


m J Sports Med. 2010 Jun: 38/6): 1125-33. doi: 10.1177/0363546509360405. Epub 2010 Apr 1.		J Bone Joint Surg Am. 2012 Jun 6(94(11):971-8. doi: 10.2108/JBJS.K.00815.	
Clinical experiences with autologous osteochondral mosaicplasty in an		Activity levels are higher after osteochondral	autograft transfer mosaicplasty than after
athletic population: a 17-year prospective multicenter study.		microfracture for articular cartilage defects of the knee: a retrospective comparative	
ATTIETIC POPULATION: A 17-YEAR PROSpective multicer langody L, Dobos J, Balo E, Pánics G, Hangody LR, Berkes I. Jource	iter study.	study	i the knee. a retrospective comparative
izsoki Hospital, Department of Orthopaedics, Mexikói strasse 62, Budapest, Hungary. hangody@t- Ibstract	online.hu	Krych AJ, Harriy HW, Rodeo SA, Williams RJ 3rd.	
ract KGROUND:		Source	
veral methods are used to treat focal chondral and osteochondral defects on the weightbearing si	informa of an and all labels. A deletance and a sharehold deal	Hospital for Special Surgery, New York, NY, USA. krych.aaron@mayo.edu Abstract	
ing is 1 option used to replace hyaline cartilage in the defect.	onitional or synowing prints sources group careforn on the	BACKGROUND:	
IOTHESIS: alcplasty is effective in returning eite athletes to participation in sports. DV DESIGN:		There is limited information regarding direct comparisons of the outcome of obtacchondral autogra cartilage defects of the knee. The purpose of this rebropachive comparative study was to compare patients treaded with OAT or microflacture for symptomatic chored affects of the knexul comply the symptomatic chored affects of the knexul comply and the symptomatic chored of the knexul comply the knexul comply and the knexul comply and the knexul comply and the knexul comply the knexul comply and the knexul comply and the knexul comply the knexul comply and the knexul comply the knexul complexity of the knexul complexity the knexul complexity and the knexul complexity the knexul complexity of the knexul complexity the kne	a the general health outcomes, knee function, and Marx Activity Rating Scale scores for
		similar clinical outcomes at intermediate-term follow-up. METHODS:	
e series; Level of evidence, 4. HODS:		Ninety-six patients with full-thickness cartilate defects of the femoral condvies or trochlea were tro	o view OAT messionlests (n = 49) or
institutes, 354 of 383 patients were followed from 2 to 17 years (average, 9.6 years). The results s. 3 months. 6 months. and yearly with patient-reported outcomes measures and radiographs.	s of mosaicplasty were prospectively evaluated at 6	microfracture (n = 48). The average age of the patients (thirty-two make and sixt	
JLTS:		and 32.5 VEBIS in the microfracture group. Patients were prospectively evaluated at beseline validated clinical outcome measures including the Short Form-38 (SF-38) offwaical component. Int	prosting of Keep Decomposition Compiling (IKDC) Keep Outcome Support anti-line of
moderate degenerative changes (Fairbank grade I or II) were detected preoperatively in 27		daily living, and Marx Activity Rating Scale instruments. Comparisons between outcomes before a with use of two-tailed tests.	ind after treatment or between outcomes after microfracture and mosaicplasty were made
ade III changes were observed in 5 cases. An average radiographic deterioration of 0.32 lerative. 0.66). Good to excellent results were found in 91% of femoral mosaicplasties. 8		RESULTS:	
plasties had similar results (Hannover ankle scoring system). Patellofemoral pain related to g	graft harvest was observed in 5% of cases. Second-	At the time of the latest follow-up, both groups demonstrated significant increases in SF-36 physic	
rthroscopies revealed good, congruent, gliding surfaces of the transplants and acceptable fibri erative changes of the transplants in 5 cases. Histological evaluation revealed good graft inco		with baseline. These scores did not differ significantly between the two groups at any of the follow in the Marx Activity Rating Scale scores from baseline to the two-year (p = 0.001), three-year (p =	
s thromboses occurred. SLUSION:		group. CONCLUSIONS:	
spite a higher rate of preoperative osteoarthritic changes in the athletic patients, clinical outcomes		In the present retrospective comparative study, the hypothesis that patients treated with microfract	ture or OAT mosaicplasity for symptomatic articular cartilage defects of the fernoral
iss rate similar to that of less athletic patients. Higher motivation resulted in bett		condyles or trochles would have similar clinical outcomes at intermediate-term follow-up was affire	
rioration in results occurred during the 9.6-year follow-up; thus, autologous osteochondral mo		OAT mosaicplasty maintained a superior	TOVEL OF ALLIEUCTACLIVILY compared with those treated
ernative for the treatment of 1.0- to 4.0-cm(2) focal chond	ral and osteochondral lesions in	Comment in	
npetitive athletes.		Fibrocartilage following microfracture is not as robust as native articular cartilage: commentary	on an article by Aaron J. Krych, MD, et al.: "Activity levels are higher after osteochondral
D:		autograft transfer mosaicplasty than after microfracture for articular cartilage defects of the kneel /	A retrospective comparative study". [J Bone Joint Surg Am. 2012]
20360608 [PubMed - indexed for MEDLINE]	ARTICO Sportklinik	PMID: 22837203	O ARTICO Sportklinik



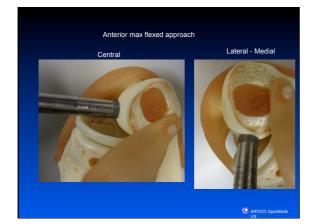


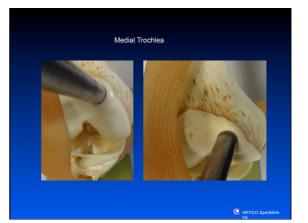
















#### Defect up to 4 cm/2 Age up to 50 years

Med & lat. Kondyle

Harvest from med. Trochlea or posterior kondyle

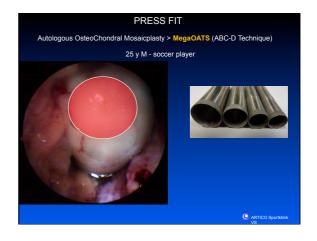
In max. flexion - (frog position)

Donor Defect is filled with the "cartilage defect cylinder" (15 mm)

O ARTICO Sportklinik







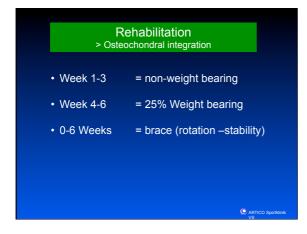
### 06/02/14













## Rate for return to sports is higher:

- younger athletes
- more competitive athletes
- preoperative duration of
- symptoms of less than 1 year

# Back to the biological original

Cartilage is not to restore

>>> than by Cartilage

<image><text>

# Thank You !





a lorry orry

onal Associations of lopedic <mark>S</mark>ports Traumatology

www.efost.org