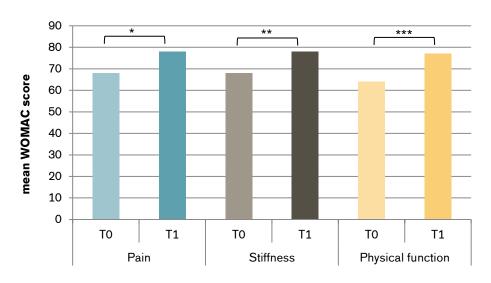
Reference	Liebau, C., Petersen, W., Rembitzki, I.V.					
Products Major Findings	A clinical study on the effectiveness of a medial unloader brace (Agilium Reactive <sup>®</sup> ) in patients with unicompartimental knee OA.					
	Eine klinische Studie zur Wirksamkeit einer medialen Entlastungsorthese (Agilium Reactive®) bei Patienten mit unikompartimenteller Gonarthrose					
	MOT: Medizinisch Orthopädische Technik 2017; 1: 32-36. Agilium Reactive					
						With Agilium Reactive:

## WOMAC score

## → Significant improvements in all WOMAC sub-scores

## Agilium Reactive showed significant improvements in all WOMAC subscores



**WOMAC** (n = 13)

T0= baseline; T1= after 4-week use of Agilium Reactive Significant improvements: \*p = 0.003; \*\*p = 0.043; \*\*\*p = 0.001

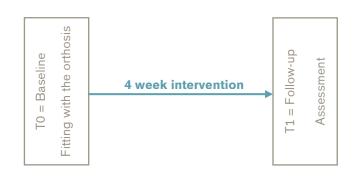
Patient satisfaction and compliance

- $\rightarrow$  No or slight restrictions due to orthosis
- $\rightarrow$  No or slight discomfort while wearing the orthosis
- $\rightarrow$  Easy or learnable handling of the orthosis
- → Orthosis can be worn over long-time period
- $\rightarrow$  Orthosis is recommended by the patients

Population	Subjects:	13 patients (6 male, 7 female)
	Mean age:	61.2 ± 15.9 years (range 41-91 years)
	Affected side:	left (4 patients); right (7 patients); both (2 patients)
	OA classification:	- grade I: 2 patients
		- grade II: 2 patients
		- grade III: 5 patients
		- grade IV: 4 patients
	Inclusion criteria:	- unicompartimental medial knee OA
		(Kellgren-Lawrence grade I-IV)
		- genu varum
		- older than 40 years
	Exclusion criteria:	- unicompartimental lateral knee OA

```
Study Design
```

Prospective before-and-after study with 4-week follow-up (with Agilium Reactive):



Results							
Functions and Activities Pa						Participation	
	omechanics – X-Ray iit analysis	EMG	Functional tests	Clinical effects	Satisfac	tion	
Category	Outcomes	Results for A	Agilium Reactiv	/e		Sig.*	
Clinical effects	WOMAC score	Baseline vs. 4-week follow-up					
	Pain sub-score	+ 19% (from 68 to 78 points)				· ++	
	Stiffness sub-score	+ 28% (from 68 to 78 points)				. ++	
	Physical function sub- score	+ 30% (from 64 to 77 points)				++	
Satisfaction	T	no	slight	moderate	strong	,	
	Restrictions	31%	54%	15%	0%	n.a.	
	Discomfort	46%	39%	15%	0%	n.a.	
	Handling	easy: 46% learnable: 54% difficult: 0%			)%	n.a.	
	Long-term use	yes: 62%	reluctant: 38	3% no: 0%		n.a.	
	Recommendation	yes: 100%				n.a.	

## **Author's Conclusion**

In summary, the presented results demonstrate the clinical evidence to justify the use of the Agilium Reactive<sup>®</sup> in patients with genu varum and medial knee OA.

"Zusammenfassend zeigen die vorgestellten Ergebnisse klinische Evidenz vor, um den Einsatz der Agilium Reactive<sup>®</sup> bei Patienten mit Genu varum und medialer Gonarthrose zu rechtfertigen." (Liebau et al. 2017)

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