

EFFICIENCY OF BCL-EXTRACT* IN OSTEOARTHRITIS OF THE KNEE

data from COPRA study

Henrotin et al. Bio-optimized Curcuma longa extract is efficient on knee osteoarthritis pain: a double-blind multicenter randomized placebo controlled three-arm study. Arthritis Research & Therapy volume 21, Article number: 179 (2019)



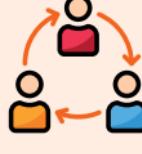
150 PATIENTS WITH SYMPTOMATIC KNEE OSTEOARTHRITIS



STUDY Prospective • Randomised
Comparative • Multicentric
DOUBLE BLIND VERSUS PLACEBO

Treatment of 3 months

3 PARALLEL GROUPS

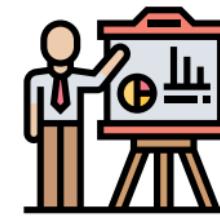


- BCL-extract* high-dose n=49, 3 caps. Flexofytol® 2x/day
- BCL-extract* low-dose n=47, 2 caps. Flexofytol® + 1 caps. placebo 2x/day
- Placebo n= 45, 3 caps. placebo (sunflower seed oil) 2x/day

GOAL:

Evaluate the efficacy and tolerance of BCL-extract* on knee osteoarthritis patients taking analgesics or anti-inflammatory drugs

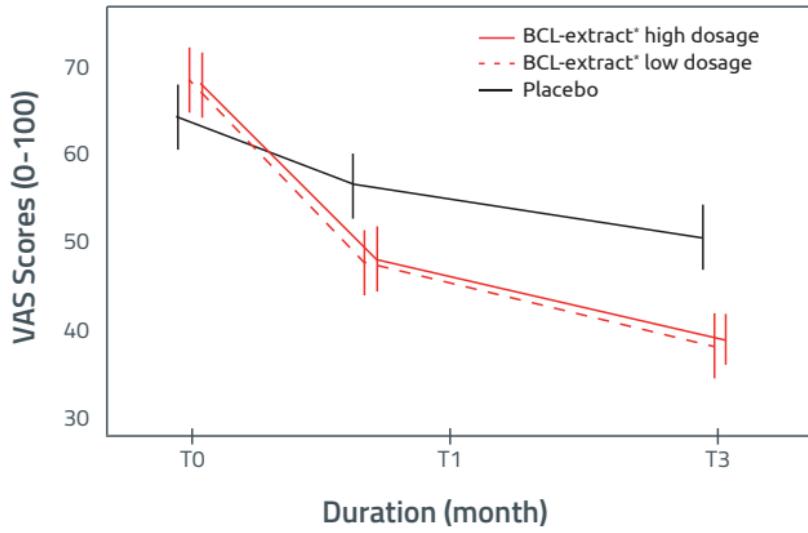
Study presented in
EULAR 2018 (extract FRI0527),
SFR 2018, OARSI 2019
and **ICRS 2019**



RESULTS



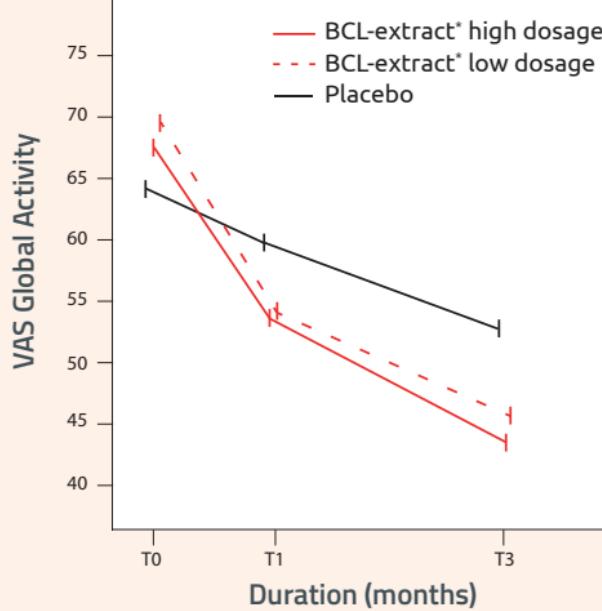
Knee pain



-40% of pain

with 2 dosages
of BCL-extract* ($p<0.001$)

Evolution of Patients Global Assessment of Disease Activity (PGADA)



-36%

**the impact of the disease
on daily activities**

with 2 dosages of BCL-extract*
($p<0.001$)



BCL-extract* decreases cartilage degradation within 3 months



	BCL-extract*	Placebo
Average decrease in Q3	-23,9 nM (p=0.031)	-2,3 nM (p=0.572)

significant decrease in biomarker Coll2-1

Coll2-1 is a biomarker for the degradation of type II collagen



Significant decrease in the consumption of paracetamol and NSAIDs

- BCL-extract* high dose decreases the intake of paracetamol (p=0.031 à T1, p=0.0016 à T3).
- BCL-extract* low dose decreases the intake of NSAIDs (p=0.038 à T1, p=0.029 à T3).



The number of patients who experienced adverse events was identical in the 3 groups

CONCLUSION

In case of knee osteoarthritis, BCL-extract* allows to:

- Rapidly reduce pain
- Improve patient's quality of life
- Reduce the consumption of paracetamol and NSAIDs
- With an excellent tolerance level

Flexofytol® PLUS



JOINTS, MUSCLES & TENDONS



REINFORCED ACTION for

- Maintaining the flexibility of **JOINTS, MUSCLES & TENDONS**
- Limiting the ageing of cartilage

SYNERGY OF 3 ACTIVES¹

Bioactive turmeric extract standardised to **72 mg curcumin**

Bio-equivalence in curcumin demonstrated compared to the Flexofytol formula²

+ Boswellia serrata oleoresin 120 mg standardised to 65% boswellic acids

+ Vitamin D 1,8 µg

HOW TO USE

To be taken **WITHIN** meals to improve the assimilation of Boswellia



	Children from 6 to 12 years	Adults and children older than 12 years
START	2 in the morning during minimum 1 month	2 in the morning and in the evening during minimum 1 month
MAINTENANCE	1 in the morning	2 in the morning

Flexofytol® Plus may be used for long periods without gastric complications.

Precautions:

- Do not use during pregnancy and breastfeeding.
- Consult your doctor or pharmacist in case of concomitant use of anticoagulants.

56 tablets : 20,90 €
CNK 3738-218

182 tablets : 56,40 €
CNK 3738-200



¹ Composition per tablet

² Phase 1 clinical study: evaluation of the bioavailability of Flexofytol PLUS®.
Catholic University of Louvain (UCL), June 2018