smHArtfix^m

For mild to moderate Osteoarthritis¹





Science Behind smHArtfix

Hyaluronic acid in smHArtfix products:

- based on clinically proven molecular weight to be efficient in counteracting osteoarthritis symptoms²
- has dedicated concentration for its clinical use, which has a significant effect on elasticity and viscosity parameters of the product 3,4,5
- is clinically effective in pain reduction ^{6,7,8}
- has more prolonged clinical effects of pain relief after HA intra-articular injection than corticosteroids injections 9,10
- has bacterial fermentation origin

Viscosupplementation with smHArtfix Multi

smHArtfix Multi can provide patient with long-term pain relief. 6,7

3 intra-articular injections, administered at weekly intervals -

Product Information

- A content: 44mg in 2ml (2.2%)
- Molecular weight: above 1.2 MDa
- Viscosity: 150-380 [Pa·s]

- Osmolarity: 270-400 mOsm/kg
- Needle size: 21G

Viscosupplementation with smHArtfix One

SmHArtfix ONE enables long-lasting pain relief.8

Single intra-articular injection

Product Information

HA content: 120mg in 4.8ml (2.5%)

Molecular weight: above 1.5 MDa

• Viscosity: 300-650 [Pa·s]

Osmolality: 270-400 mOsm/kg

Needle size: 19G

smHArtfix Order Information

Packed in a pre-filled glass syringe within a blister and an outer carton. smHArtfix ONE and smHArtfix MULTI are sterilised using aseptic processing techniques. The final product in the carton is terminally sterilized using ethylene oxide ensuring that the outer surface of the syringe is sterile.

Description	Part Number	
smHArtfix One 4.8ml	110047748	3
smHArtfix Multi 2ml	110047750	



References

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- David Rebenda et al. On the Dependence of Rheology of Hyaluronic Acid Solutions and Frictional Behavior of Articular Cartilage. Published online 2020 Jun 11. doi: 10.3390/ ma13112659 PMCID: PMC7321645 PMID: 32545213
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- 8. Balsalobre et al. Effect of a monoshot injection of a high-density hyaluronic acid gel in patients with primary knee osteoarthritis. Preliminary results of the "No-Dolar" study. J Bone Marrow Res. 2018;6:1] *Pronolis® HD MonoShot 2.5%
- Salvatore Bisicchia and Cosimo Tudisco; Hyaluronic acid vs corticosteroids in symptomatic knee osteoarthritis: a minireview of the literature. Published online 2017 Oct 25. doi: 10.11138/ccmbm/2017.14.1.182 PMCID: PMC5726206 PMID: 29263730
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