



SUPARTZ FX[®]
sodium hyaluronate

**Effective, Safe
& Affordable.**

More than 410 million injections
and 30 years of use worldwide.¹

 **bioventus**[®]
Active Healing Through Orthobiologics

SUPARTZ FX is a hyaluronic acid (HA) multi-injection therapy proven to relieve knee pain in patients with mild to moderate osteoarthritis (OA).



Box includes:
1 - 2.5 mL syringe



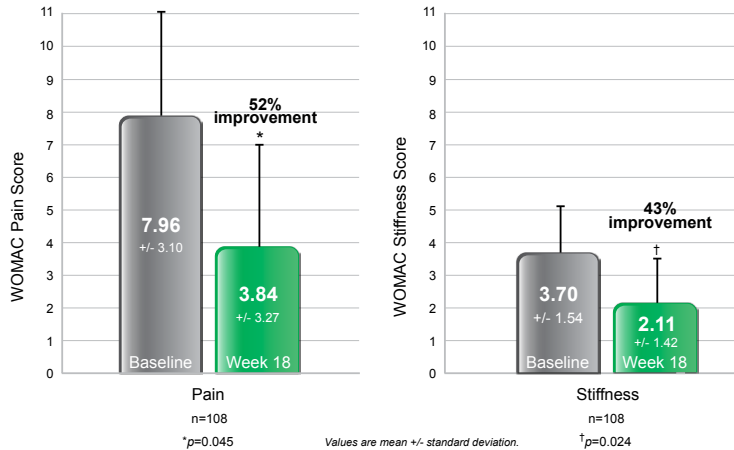
SUPARTZ FX

Effective, Safe & Affordable

- Demonstrated improvements in knee pain and physical function at 6 months²
- Flexible dosing tailors therapy to each patient³
- Established safety profile similar to saline (placebo)⁴
- Less impurities compared to other avian-based HA products⁵
- Offers low-cost options for practices and patients

SUPARTZ FX has demonstrated significant improvements in knee pain and stiffness at 6 months versus placebo (saline) in knee OA²

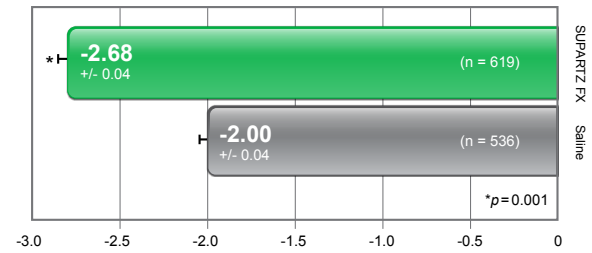
Significant improvement in knee pain and stiffness with SUPARTZ FX²



Day R. J Rheumatol. 2004.

Additional, intergrated analysis of 5 clinical trials with 1,155 patients demonstrated significant reduction in Lequesne Index⁴

Significant reduction in Lequesne Index score across 5 clinical studies



Estimates of treatment effect in the integrated analysis using a random-effect model.

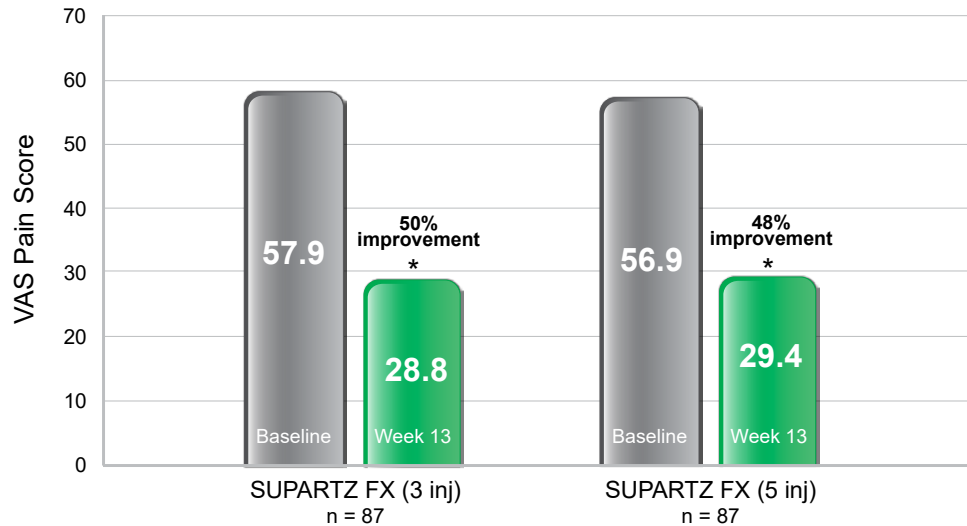
Values are mean +/- standard error.

Strand V. Osteoarthritis Cartilage. 2006.

Effective Therapy with Flexible Dosing Options

SUPARTZ is approved for 5 injections, but some patients may benefit from as few as 3 injections given at weekly intervals.

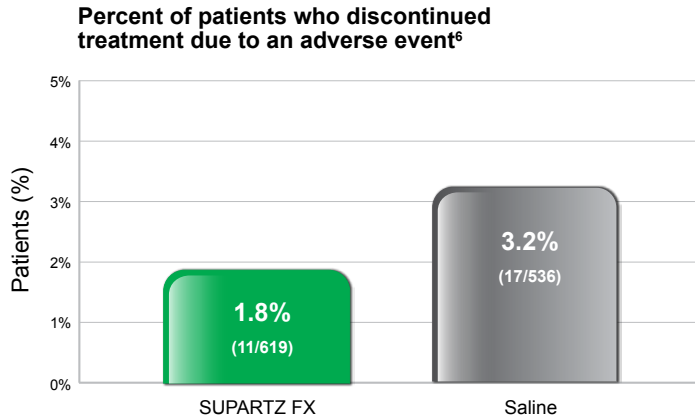
Improvements in VAS pain scores following 3 and 5 SUPARTZ FX injections



* $p < 0.0001$

With a safety profile similar to saline and no reports of pseudoseptic reactions in 20 prospective trials, SUPARTZ FX is a safe, confident choice.⁶

Results of an integrated analysis of 5 clinical trials with 1,155 patients showed SUPARTZ FX had similar adverse event and discontinuation rates to saline (placebo).⁴



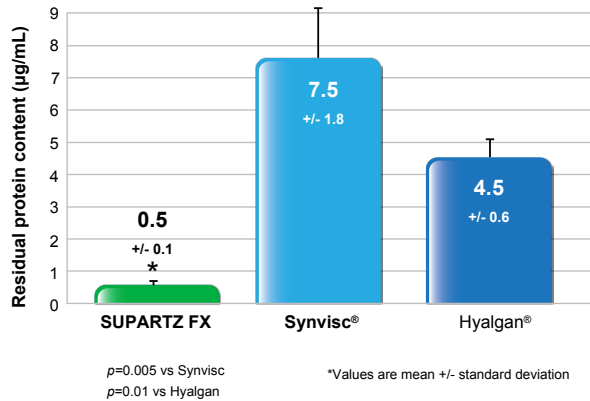
Strand V. *Osteoarthritis Cartilage*. 2006.

The most common adverse events with SUPARTZ FX are arthralgia, arthritis, back pain, injection site reaction, injection site pain and headache.³

Post-marketing surveillance study from 7,404 patients demonstrated a low incidence (0.5%) of adverse events.⁷

- Only 0.06% experienced an adverse event with additional treatments of SUPARTZ FX⁸

Significantly less protein content in SUPARTZ FX⁵



Oshima Y. *Jpn Pharmacol Therapy*. 2004.

SUPARTZ FX has the lowest concentration of impurities among avian-based hyaluronic acids⁵

SUPARTZ FX has 25% more active ingredient per syringe than other flexible dosing HA products^{4, 9, 10}

	SUPARTZ FX	HYALGAN	SYNVISC
HA concentration	1 mg/mL	1 mg/mL	0.8 mg/mL
HA per syringe	25 mg	20 mg	16 mg
HA per course	75 mg (3 injections) 125 mg (5 injections)	60 mg (3 injections) 100 mg (5 injections)	48 mg (3 injections)

SUPARTZ FX is an affordable option for continuing HA therapy for your patients

If insurance coverage becomes a challenge when treating patients with knee OA, SUPARTZ FX is affordable for practices and patients.

With a low average sale price per syringe,¹¹ SUPARTZ FX is an ideal option for:

- Self-pay patients
- Patients without insurance
- Patients with insurance denying HA therapy

Bioventus also offers SUPARTZ FX customers:

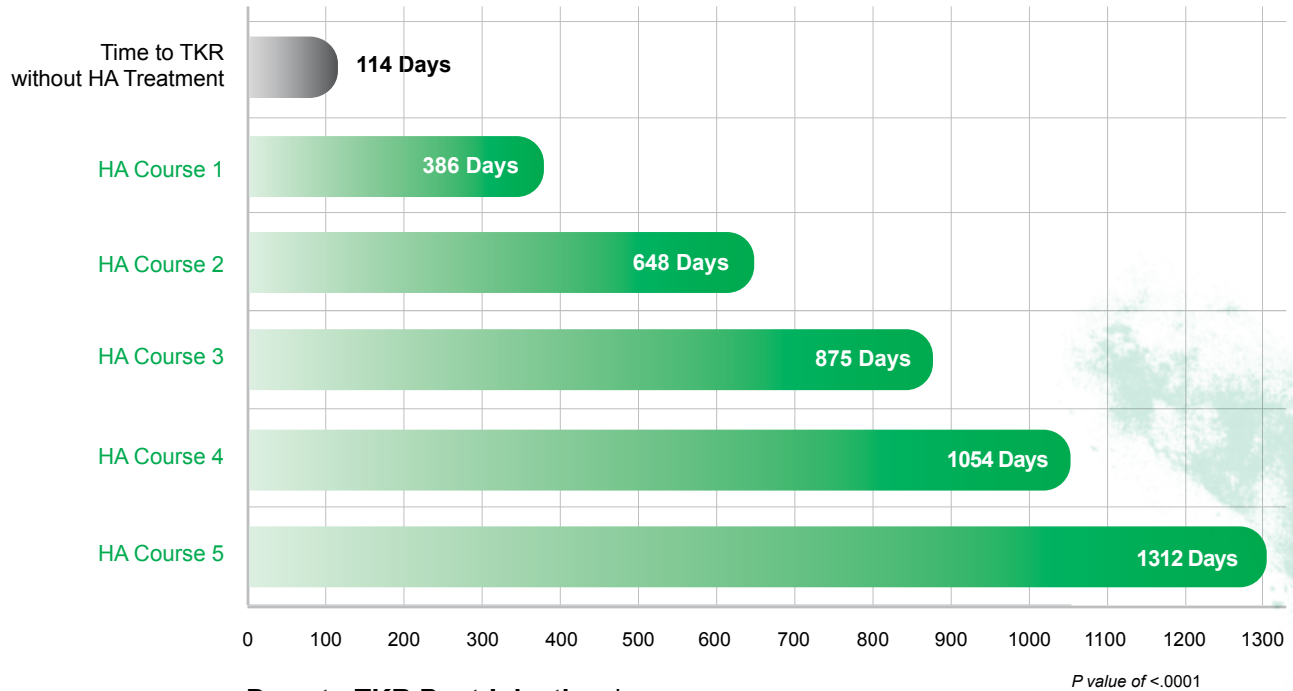
- Low-cost direct purchase for patients*
- Patient assistance may be available for qualified individuals*

*Contact BV360 Reimbursement Solution at 1-833-MyBV360 (1-833-692-8360) for more information.

Affordable



A retrospective analysis of approximately 79 million patient database identified 182,022 HA-treated patients, which demonstrated HA injections delay TKR surgery:¹²



Median time to TKR, 50th percentile

Many knee OA patients need additional therapy beyond first-line oral treatments

HA injections provide meaningful relief of knee pain and stiffness due to mild to moderate knee osteoarthritis.¹³

HA Injections:

- Provide up to 6 months of knee pain relief
- Have no risk of renal or other systemic complications, compared to NSAIDs or IA corticosteroid injections⁸
- Reduce the use of NSAIDs, steroids and opioids¹⁴
- Are safe for repeated usage
 - Repeated steroid injections can lead to cartilage damage and loss¹⁵
- May delay need for total knee replacement (TKR) surgery up to 3.6 years¹²

SUPARTZ FX is a hyaluronic acid (HA) multi-injection therapy proven to relieve knee pain in patients with mild to moderate osteoarthritis (OA).



- Demonstrated improvements in knee pain and physical function at 6 months²
- Flexible dosing tailors therapy to each patient³
- Established safety profile similar to saline (placebo)⁴
- SUPARTZ FX contains minimal impurities⁵
- Offers low-cost options for practices and patients

Visit us at SUPARTZFX.com or call 800-836-4080 to learn more.

References: 1. Bioventus LLC. 12000.29, based on Seikagaku Corporation Annual Report 2017. Data on file, RPT-00030. 2. Day R, Brooks P, Conaghan PG, Petersen M. Multicenter Trial Group. A double blind, randomized, multicenter, parallel group study of the effectiveness and tolerance of intraarticular hyaluronan in osteoarthritis of the knee. *J Rheumatol.* 2004;31(4):775-82. 3. SUPARTZ FX [package insert]. Durham, NC: Bioventus LLC; 2015. 4. Strand V, Conaghan PG, Lohmander LS, et al. An integrated analysis of five double-blind, randomized controlled trials evaluating the safety and efficacy of a hyaluronan product for intra-articular injection in osteoarthritis of the knee. *Osteoarthritis Cartilage.* 2006;14(9):859-66. 5. Ohshima Y, Yokota S, Kasama K, Ono H. Comparative studies on levels of proteins, bacterial endotoxins and nucleic acids in hyaluronan preparations used to treat osteoarthritis of the knee – could residual proteins and bacterial endotoxins relate to complications? *Jpn Pharmacol Ther.* 2004;32(10):655-62. 6. Bioventus LLC. SUPARTZ file of prospective clinical studies, RPT-000310. Data on file, 29000.142. 7. Ueno Y, Kuramoto K, Konno N, et al. Investigations on result of use after launch of ARTZ and ARTZ Dispo. Evaluation on the efficacy, safety and utility of the medications for osteoarthritis of the knee and periarthritis of the shoulder. *Jpn Pharmacol Ther.* 1995;23(8):2151-70. 8. Bannuru RR, Natov NS, Obadan IE, Price LL, Schmid CH, McAlindon TE. Therapeutic trajectory of hyaluronic acid versus corticosteroids in the treatment of knee osteoarthritis: a systematic review and meta-analysis. *Arthritis Rheum.* 2009;61(12):1704-11. 9. Hyalgan [package insert]. Parsippany, NJ: Fidia Pharma USA Inc.; 2014. 10. Synvisc [package insert]. Ridgefield, NJ: Genzyme Corporation; 2014. 11. Centers for Medicare & Medicaid Services. 2018 ASP drug pricing files. www.cms.gov/Medicare/Medicare-Fee-for-Service-Part-B-Drugs/McRP-artBDrugAvgSalesPrice/2018ASPFiles.html. Last updated November 30, 2018. 12. Altman R, Lim S, Steen RG, Dasa V. Hyaluronic acid injections are associated with delay of total knee replacement surgery in patients with knee osteoarthritis: evidence from a large U.S. health claims database. *PLoS ONE.* 2015;10(12):e0145776. doi: 10.1371/journal.pone.0145776. 13. Bhandari M, Bannuru RR, Babins EM, et al. Intra-articular hyaluronic acid in the treatment of knee osteoarthritis: a Canadian evidence-based perspective. *Ther Adv in Musculoskel Dis.* 2017;9(9):231-46. 14. McIntyre LF, Beach W, Bhattacharyya S, Yadalam S, Bisson B, Kim M. Impact of hyaluronic acid injections on utilization of pain management medications. *Am J Pharm Benefits.* 2017;9(6):195-9. 15. McAlindon TE, LaValley MP, Harvey WF, et al. Effect of intra-articular triamcinolone vs saline on knee cartilage volume and pain in patients with knee osteoarthritis: a randomized clinical trial. *JAMA.* 2017;317(19):1967-75.

Summary of Indications for Use: SUPARTZ FX is indicated for treatment of pain in osteoarthritis (OA) of the knee in patients who have failed to respond adequately to conservative nonpharmacologic therapy and simple analgesics, e.g., acetaminophen.

You should not use SUPARTZ FX if you have infections or skin diseases at the injection site or allergies to poultry products. SUPARTZ FX is not approved for pregnant or nursing women, or children. Risks can include general knee pain, warmth and redness or pain at the injection site.

Full prescribing information can be found in product labeling, at www.SupartzFX.com or by contacting Customer Service at 1-800-836-4080.

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