

**PENIS AUGMENTATION
COMMON PRODUCTS AND ACTIONS**

Chemical Name *	Hyaluronic Acid (HA)	Polycaprolactone (PCL)	Polymethylmethacrylate (PMMA)	Free Fat Transfer (FFT)	Fat Graft	Platelet Rich Plasma (PRP)
Action	Biodegradable sugar-based soft-tissue filler that binds with water in gel form and creates volume. It is naturally found throughout human tissue	Biodegradable, biocompatible soft medical polymer. Triggers tissue inflammation and collagen stimulation once injected	Non-biodegradable, biocompatible, man-made polymer. Micro-beads are suspended in carrier gel, which triggers tissue inflammation and collagen stimulation once injected	Natural - surgical harvesting of fat cells, mostly from the abdominal area with reinjection into the penis to create volume	Natural - surgical harvesting of fat tissue usually from buttock area. Penis is degloved, the fat tissue is wrapped around the penile shaft and skin is stitched closed.	Natural, highly concentrated platelets extracted from patient's blood and immediately reinjected. Growth factors trigger tissue and skin repair along with regeneration of collagen elastin, muscles, nerves and blood vessel.
Girth Augmentation	Yes	Yes	Yes	Yes	Yes	Claimed but unproven
Glans Enhancement	Yes	Possible	No	No	No	Claimed but unproven
Lengthening	Often when flaccid (due to product weight)	Often when flaccid (due to product weight)	Often when flaccid (due to product weight)	Often when flaccid (due to product weight)	Often when flaccid (due to product weight)	Claimed but unproven
Blending along shaft **	Yes, different HA viscosities can be blended along shaft for smooth results	Yes	Yes	Variable - often resorbs irregularly along shaft	Variable - may resorb irregularly along shaft	N/A
Longevity	1 - 2 years (depends on product used)	2 - 4 years (depends on product used)	Long-Term (some permanency)	Meant to be permanent, however, resorption in penile tissue is high (6-8 months). Some permanent lumps and scar tissue may form	Meant to be permanent, however, uneven resorption may occur. Some permanent lumps and scar tissue may form	PRP is resorbed quickly but healing process continues for months with results lasting up to 15mths
Erectile Dysfunction	No	No	No	No	No	Possible
Premature Ejaculation	Yes	No	No	No	No	Possible
Cost	\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$\$	\$
Risk Rating	+	++	+++	+++	+++	Safe
Reversible	Yes, may be dissolved at any time	Some correction possible to soften lumps but not reversible	No (only surgical removal)	No (only surgical removal)	No (only surgical removal)	N/A, natural body substance
Irregularities	Possible	Possible	Common	Common	Common	No
Complications	Risk of bruising, swelling and infection. Possible vessel occlusion and necrosis (if using needle), but unlikely with cannula injection. Nodules may form early or possible scar granulomas at a later date, but can generally be resolved quickly with Hyalase/steroid injections.	Risk of bruising, swelling and infection. Possible vessel occlusion and necrosis (if using needle), but unlikely with cannula injection. Some risk of nodules or granulomas forming that may be softened with steroid injections, but can remain longer-term, until the product naturally breaks down.	Risk of bruising, swelling, uneven results and infection. Possible vessel occlusion and necrosis (if using needle), but unlikely with cannula injection. Some risk of nodules, granulomas and product hardening that require surgical intervention to remove. Lumpiness is common. Long-term risks are not fully known.	Fat is living tissue and its survival after transfer requires developing a new blood supply. There is no fat in penile tissue so survival rate is low and FFT may be resorbed quickly. There is risk of skin fibrosis, scarring, and possible skin necrosis that may require surgical intervention to remove.	Fat is living tissue and its survival after transfer requires developing a new blood supply. There is no fat in penile tissue so survival rate is low and Fat Graft has tendency to result in some lumpiness. Scar tissue is material (both at harvest site and where penis is re-stitched), which can result in deformity.	Possible swelling, bruising and/or infection. Minimal complications
Recommended number of sessions	Generally 1 full session and 1 touch up Annual Top-Up	Generally 1 full session and 1 touch up Top-up every couple years	2 full sessions and 1 touch up session Semi-permanent	Regular top-ups likely (every 4-6 mths)	Permanent, but may require correction of lumpiness	1 session every 12mths

* Always research dermal filler brands and products as these vary greatly around the World. Ensure the dermal filler is FDA/TGA approved, the product manufacturer is reputable and the product viscosity is appropriate for the area being treated. Ensure PRP concentrations are 5-9 x base levels.

** Blending is useful to address different bands of skin along the shaft and to enhance penile symmetry. It is not recommended to inject different dermal fillers at the same time due to potential combination issues and it can be difficult to identify the cause of complications if they arise.

WHATEVER YOU DO, PUT YOUR SAFETY FIRST!
ONLY consider penile enlargement with a board certified medical doctor trained in penile augmentation procedures
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