

Endoscopic Dextranomer/Hyaluronic Acid injection for the treatment of VUR

Since its first experimental description in 1984, endoscopic correction of VUR has proved to be a highly successful, minimally invasive treatment for this condition.

Endoscopic treatment with Dextranomer/Hyaluronic acid substances has become increasingly popular for managing VUR and it is the most widely used tissue-augmenting substance. Endoscopic treatment has several advantages. In contrast to long-term antibiotic prophylaxis, it offers immediate cure of reflux at a high incidence, its success does not rely on patient or parent compliance, and the procedure is virtually free of adverse side effects. Long-term administration of antibiotics implies the danger of bacterial resistance with promotion of breakthrough urinary tract infections, and antibiotics are usually needed for years.

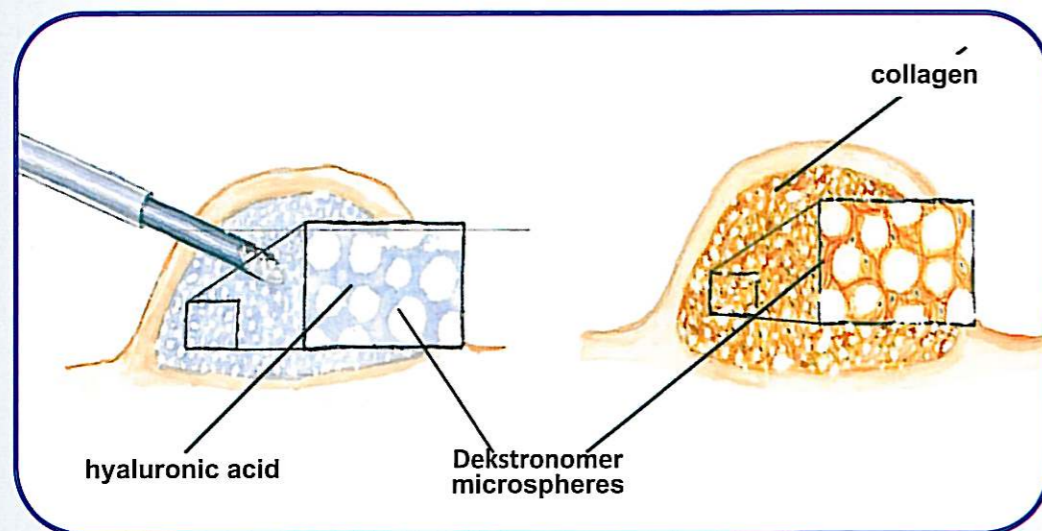
DEXELL consists of a suspension of positively charged dextranomer microparticles and cross-linked hyaluronic acids of non animal origin.

The cross-linked hyaluronic acid (Hylan gel) primarily functions as a means of transportation for the dextranomer microparticles which stimulate the connective tissue at the place of injection. Both the Hylan gel as well as the dextranomer microparticles of DEXELL are biodegradable and biocompatible.

Positively Charged Particles of DEXELL

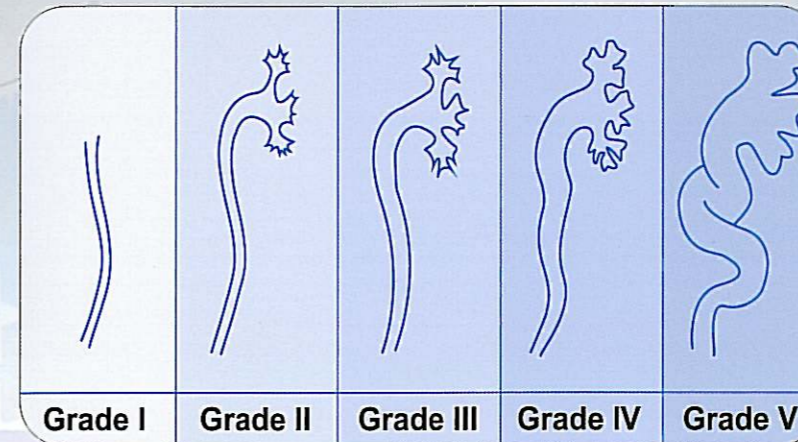
Positively Charged DEAE dextranomer microspheres are the active ingredients of the DEXELL composed with the biocompatible glucose molecules.

Those microspheres gravitate by negatively charged glycosaminoglycan and elastin at the injection area to help to create new collagen. Those microspheres immediately link each other in order to create new collagen tissue and this structure creates increased volume for long-time period after degradation of hyaluronic acid and absorbed.



A year after injection, a schematic view of tissue (DEXELL positive charge effect)

Safe and Effective



Treatment of **DEXELL VUR** in all grade levels of vesicoureteral reflux is safe and highly effective even in high grades.

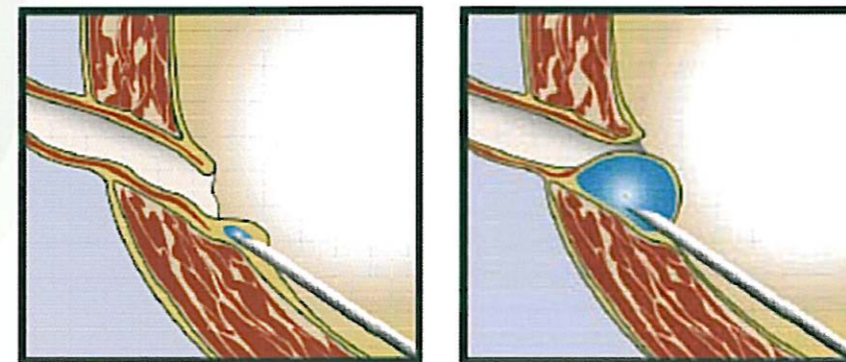
Advantages of DEXELL

- Non rigid particles
- No granuloma risk
- No migration
- Nonimmunogenic
- Anti allergic structure
- Degradable by time
- 80-120 micron particle sizes

Endoscopic correction of vur offers a minimally invasive, outpatient procedure with a very low risk of complications compared to open surgeries.



Application of DEXELL



DEXELL is suitable to be used with a cystoscopic injection needle in all injection methods like Sting, HIT & Double HIT.