

Use of a Human Amniotic Membrane and Umbilical Cord Regenerative Matrix for the Management of Recalcitrant Bladder Neck Contractures

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Introduction

- **Aim:**

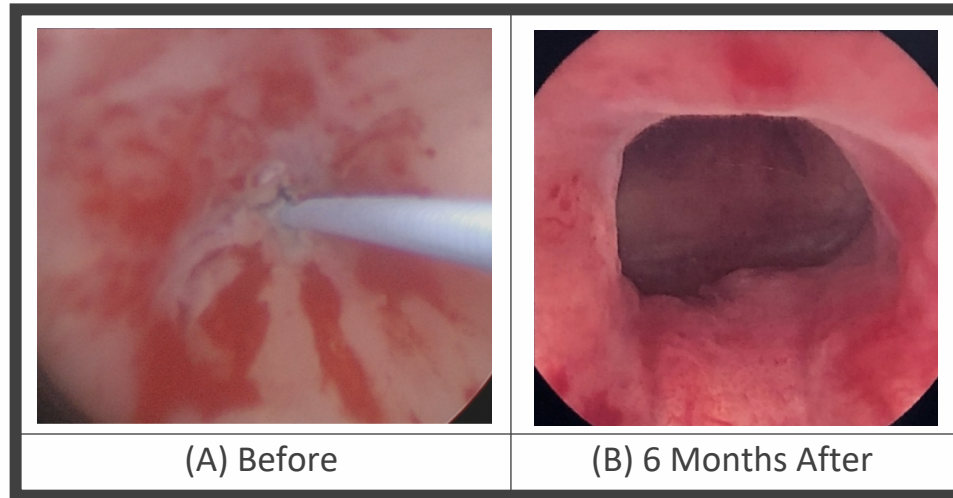
- To assess a series of **recalcitrant bladder neck contractures (BNCs)** that failed prior therapies and were managed with a novel **amniotic membrane and umbilical cord injectable regenerative matrix agent**
 - Clarix Flo (Amniox Medical, Inc.) : reduces inflammation and promotes healing

- **Methods:**

- Five men with prostate cancer with **recalcitrant BNCs**
 - All patients initially managed with direct vision internal urethrotomy (DVIU) or transurethral resection of bladder neck (TURBN) with steroid injection therapy
- TURBN or DVIU, then circumferential injection of 100 mg of Clarix Flo
- Postoperative urethral catheters were removed in 1 week



Results & Conclusions



- At a median follow-up of 12 months, no patients developed BNC recurrence
- All patients continue to void with a steady stream without retention of urine
- On longest follow-up, at 17 months, the patient remains without bladder neck contracture recurrence
- This **novel amniotic membrane and umbilical cord matrix** is **effective** as an injectable therapeutic agent for the **management of bladder neck contractures**

