



POLYCYTE™

Wharton's Jelly Allograft Suspension

POLYCYTE™ is a minimally manipulated human tissue allograft suspension derived from the Wharton's Jelly of the umbilical cord for homologous use. POLYCYTE™ is intended to supplement or replace damaged or inadequate connective tissue.

Wharton's Jelly is a clear, gel-like tissue that insulates and protects the umbilical arteries and vein. Wharton's Jelly contains a higher concentration of hyaluronic acid, and growth factors when compared to amniotic fluid, up to 50 times more.

Treatment Areas

- Large joints (Knee, Hip, Shoulder & Ankle)
- Chronic partial rotator cuff tears
- Persistent partial tendon tears (Tennis Elbow)
- Plantar fasciitis / Bone Spurs
- Quadriceps and patellar tendon tears
- Muscular tears
- Meniscus and cartilage tears
- Intervertebral disc and spinal facet joints
- Radicular and Sacroiliac nerves / Pinched nerves



ADVANTAGES OF POLYCYTE™

1. The use of the POLYCYTE™ product is less invasive when compared bone marrow aspiration, or adipose tissue extraction. This results in less pain for the patient and a much shorter procedure time.
2. POLYCYTE does not use any material obtained directly from the embryo or fetus.
3. Higher concentrations of peptides, hyaluronic acid and growth factors compared to amniotic fluid suspensions.
4. Due to the high concentrations of growth factors in Wharton's Jelly, it acts as an ideal anti-inflammatory and has been shown in clinical studies to prevent apoptosis (cell death)¹

POLYCYTE™ is processed from donated human tissue from full term, c-section deliveries in accordance with the FDA and the American Association of Tissue Banks (AATB) standards. POLYCYTE™ is regulated as a human cell, tissue, or cellular or tissue-based product (HCT/P) under 21 CFR Part 1271 and Section 361 of the Public Health Service Act.

1. Sobolewski, K. et.al. *Wharton's jelly as a reservoir of peptide growth factors. Placenta.* 2005 Nov;26(10):747-52



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