

Wharton's Jelly/Bio-cellular Allograft Tissue

Research studies revealed human umbilical cord tissue, contains **Wharton's jelly**, which is known to be an important source of mesenchymal cells (MSCs) with considerable therapeutic and regenerative potential. Wharton's jelly is a gelatinous substance in the umbilical cord that provides cushioning and support to the umbilical vein and arteries. The cushioning and protective elements from Wharton's jelly consist of a network of structural proteins, pericytes, mesenchymal stem cells, cytokines, chemokines and growth factors. Wharton's Jelly is processed from donated human tissue from full-term deliveries. Comprehensive medical and social histories of the donors are obtained, and tissues are procured, processed and tested in accordance with standards established by FDA requirements to minimize potential risks of disease transmission to recipients. Infectious disease testing is performed at a certified laboratory in accordance with the Clinical Laboratory Improvement Amendments of 1988 (CLIA) and 42 CFR part 493.

From the various advances in stem cell research, our stem cells grow old with us so as we aged our stem cell counts decline. The functions of aged stem cells become impaired as the result of cell-intrinsic pathways and surrounding environmental changes. Wharton's Jelly allograft is another alternative treatment in healing soft tissue injuries, repair damaged tissues and strengthen ligaments/tendons to reduce pain and improve functions non-surgically. After extensive research, they believe **Wharton's Jelly** is unparalleled in its potential in regenerative medicine, perhaps offering a way to better the regenerative process for all people, no matter the injury.

Frequently Asked Questions:

1. Where do Wharton's Jelly come from?
Wharton's Jelly is come from the umbilical cords of healthy, full-term deliveries. It does not contain any fetal or embryonic tissue.
2. Is it safe?
Our products are rigorously tested to FDA guidelines in our CLIA certified lab. Thousands of patients have used tissue allografts with no adverse effects.
3. How long does the procedure take?
Depending upon the area being treated, the procedure can be completed in an office visit. Your doctor will be able to provide details specific to your treatment plan.

4. Does the procedure hurt?

The use of our products do not require any invasive procedures, resulting in less pain and a shorter procedure time.

5. When will I feel the benefits?

Depending upon the severity of the injury and your personal health, recovery time can vary. Your physician can provide more information.

6. Does it cover by insurance?

Not yet except for personal injury or worker's compensation.

References:

(1) Citations on file PBIO-GRID-CITATIONS PBIO-DOC-Product_CC,v2.0, 10/30/2017

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