

The Truth About Stem Cells

“The field of biologics allows us to treat injury and disease with less reliance on drugs and can reduce the need for surgery.”

– *Michael Gitelis MD*

NEW TRENDS IN BIOLOGICS

One of the first documented uses of a biologic product dates back to 1910, when amniotic membrane was used for burn victims to accelerate epithelialization and healing. We have made strides since these early times and surgeons are now able to recommend different types of biologic products for specific pathologies and injury. As we move forward and learn more about this field, we have more options available to aid in faster, better healing and regeneration.

“The body has the ability to heal itself, so it is only a natural progression to move toward finding ways to help the body do this faster and more effectively.” – Michael Gitelis MD

Both tissue and bone go through a healing cascade beginning with inflammation leading to new tissue or bone which ultimately ends in a healed injury. Surgeons like Dr. Michael Gitelis are finding ways to harness this natural healing process and amplify it. For the patient this means less pain, faster healing, a quicker return to sport or daily activities, and quite possibly avoiding surgery.

Dr. Michael Gitelis offers PRP, Stem Cell, and Amnion therapy and is excited to now offer exosomes as a treatment option. Exosomes are derived from mesenchymal stem cells and are tiny acellular vessels that serve to signal the body’s own cells to increase blood flow, recruit healing cells and reproduce healthy tissue at the place of injury. This is an exciting new treatment option that offers a more potent biologic with a higher concentration of the signaling cells responsible for healing.

Dr. Michael Gitelis has seen significant improvement amongst his patients who are good candidates for these biologic treatments in clinic or at the time of surgery. As we begin to understand the mechanism of action by which these products aid in healing, we understand that the goal is to recruit and signal the appropriate cells to react and heal the area of injury. Schedule a consultation with Dr. Gitelis so he can recommend a treatment plan specifically for your needs.

To learn more about these therapies, visit www.DrGitelis.com or call 847-807-7770.

**Gitelis Orthopedics is located at
27401 West Hwy. 22 in Lake Barrington
and at
1800 McDonough Road, Ste. 202
in Hoffman Estates.**



Dr. Michael Gitelis, MD is a board-certified orthopedic surgeon with over 30 years of experience and 10 years of experience using biologic treatment options both in the clinic and operating room. He is an expert in arthroscopic surgery, biologics, and treating arthritis, sports and all orthopedic injuries.

Dr. Gitelis offers PRP, Bone Marrow Derived Stem Cell, Amnion, and now Exosome biologic treatment options for some patients and he can customize a treatment plan for you based on your specific injury and pain.