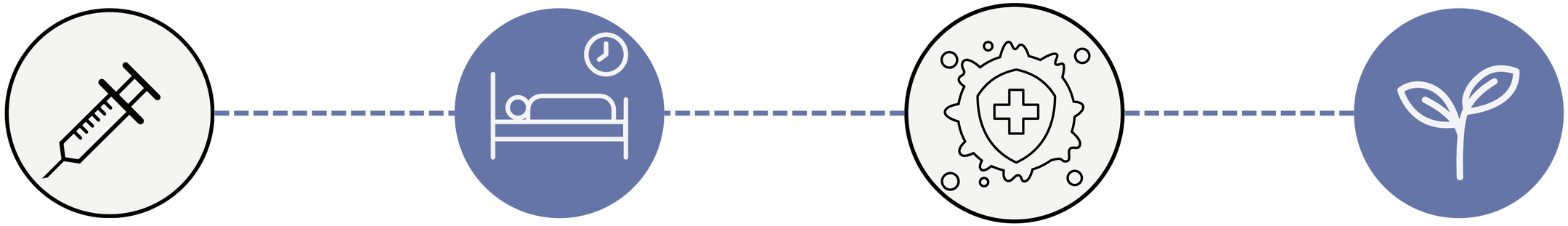
EXOSOME THERAPY

The future of regenerative medicine is now available to you with DripDok.

EXOSOMES: PATIENT EXPERIENCE TIMELINE



Day 1

Infusion

Reports of feeling lighter. Don't expect much.

Day 2-3

Recovery

Sometimes the body needs rest, similar to when you were a child requiring a nap. It is beneficial.

Day 4-5

Immune Load

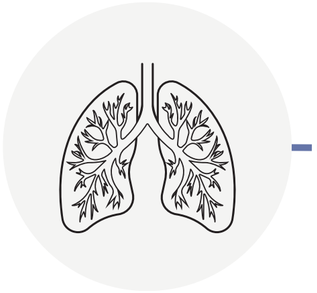
Improvements in mood, sleep quality, and pain relief are common benefits of a certain treatment. Mild cold or flu-like symptoms may occur in rare cases, but usually resolve quickly.

Day 6-7

Healing

The cargo is in the cells and reprogramming has well begun. Many improvements in symptoms, mood, pain and more reported.

EXOSOMES: PATIENT EXPERIENCE TIMELINE



Week 1-2

Respritory

Reports of being able to hold breath longer, meomory improvements - but don’t expect much if you aren’t using a wearable.

Week 3-4

Cargo Delivery

The growth factors are delivered across the body and brain. The body is in a state it hasn't been since inside the womb. It’s not working on biological time.

Month 1-4

Reprogramming

The growth factors are long at work, restoring issues you possibly never knew you had. People with health trackers begin to rave about major HRV improvements and appearance.

4-8 Months

Maximum Effect

This is where we get reports of better hair, nails, blood pressure, mood, joint pain, and typically about the time another vial is

WHO CAN BENEFIT?

- **Cognitive Decline, Memory Loss & Creativity Deficits:** Probably the most noticable and powerful component of MATRIX exosomes. TBI's, concusions, early stage alzhimers and dimentia respond incredibly positivity to MATRIX exosomes.
-
- **Lyme Disease, Chronic Inflammation, Autoimmune Conditions:** Exosomes show promise in the treatment of Lyme disease, chronic inflammation, cardiovascular and autoimmune diseases, offering potential therapeutic benefits.

- **Anti-Aging Therapy:** Exosomes are considered valuable components in anti-aging treatments, contributing to cellular rejuvenation and overall health.

- **Degenerative Joint Disease**: Patients dealing with degenerative joint disease have experienced notable improvements through the use of exosomes, suggesting their potential for enhancing joint health and function.

Issue	Severity	Timeline
Lymes, MS, Automimmune	Mild To Longstanding	1-2 Vials to start, monitor 2 weeks. If significant improvement 1 per week for 4 weeks. Reasses
Anti-Agining & Optimization	No complications	1 vial every 6 months. If patient would like to drive further results, and there are no contraindications - it is allowed.
Degenerative Joint Disease or Musculoskeletal Issues	Medium to Severe	1-2 Vials IV. 1-2 Vials mixed with a propritary blend of ozonated plasma rich platelets and ozone injections
Cognitive decline, memory loss, TBI	Mild to Severe	Mild: 1-2 Vials with a wait time of one month. Then proceed with an additional vial per month. Severe: 1-3 vials at once, followed by one vial a week for 2 weeks and reassess.

WHAT HAPPENS & WHY

With over 1,600 growth factors - it's difficult to list them all out due to the complexity and interactions between each one however here are a few for better understanding

Anti-Aging: Various growth factors promote tissue regeneration, which can contribute to anti-aging effects.

Nerve Damage Repair: Nerve growth factor (NGF) and brain-derived neurotrophic factor (BDNF) are known for their role in promoting nerve growth and repair.

Joint Health: Transforming growth factor-beta (TGF-β) and platelet-derived growth factor (PDGF) are involved in tissue repair and can support joint health.

Skin Regeneration: Epidermal growth factor (EGF) is essential for skin cell growth and repair.

WHAT HAPPENS & WHY

- **Collagen Production**: TGF-β and insulin-like growth factor (IGF) can stimulate collagen production, improving skin elasticity.
- **Cardiac Health:** Various growth factors can support heart tissue regeneration, reducing the risk of heart failure.
- **Blood Flow:** Angiogenic growth factors like vascular endothelial growth factor (VEGF) promote the formation of new blood vessels.
- **Conditions Supported:** Different growth factors may play roles in alleviating symptoms and promoting healing in various medical conditions.

WHAT HAPPENS & WHY

Lyme Disease:

- Interferon-gamma (IFN-γ): Plays a role in immune response against infections.
- Tumor necrosis factor-alpha (TNF-α): Regulates immune cell functions.
- Interleukin-10 (IL-10): Involved in the regulation of immune responses and inflammation.

Respiratory Health:

- Transforming Growth Factor-Beta (TGF-β): Promotes tissue repair and can play a role in lung healing.
- Epidermal Growth Factor (EGF): May support the repair and regeneration of lung tissues.

Muscle and Tendon Injuries:

- Insulin-Like Growth Factor (IGF): Known for its role in muscle and tendon repair and regeneration.
- Platelet-Derived Growth Factor (PDGF): Involved in tissue healing, including muscles and tendons.
- Fibroblast Growth Factor (FGF): Promotes tissue repair and regeneration.

WHAT HAPPENS & WHY

Neurological Health:

- Brain-Derived Neurotrophic Factor (BDNF): BDNF is crucial for the growth, maintenance, and survival of neurons. It plays a significant role in learning, memory, and overall cognitive function.

- Nerve Growth Factor (NGF): NGF promotes the growth, maintenance, and survival of nerve cells (neurons) and is essential for the development and function of the nervous system.

- Glial Cell Line-Derived Neurotrophic Factor (GDNF): GDNF is known for its neuroprotective properties and its potential role in supporting the survival of dopaminergic neurons, which are important in conditions like Parkinson's disease.

Continued...

WHAT HAPPENS & WHY

Neurological Health:

- Insulin-Like Growth Factor (IGF): IGF is involved in brain development and has neuroprotective effects. It supports the growth and repair of neurons and their connections.
- Vascular Endothelial Growth Factor (VEGF): VEGF plays a role in angiogenesis (the formation of new blood vessels) in the brain, which is important for maintaining healthy brain function.
- Basic Fibroblast Growth Factor (bFGF or FGF-2): bFGF is known for its neurotrophic effects and its role in promoting the survival and growth of neurons.

These specific growth factors are crucial for healthy brain function, promoting neuroplasticity, and supporting neurological well-being. Their dysregulation can contribute to neurological conditions like Alzheimer's and Parkinson's disease, and traumatic brain injuries.

BY POWERFULLY FLOODING YOUR SYSTEM WITH 4.8E+15 OF MOTHER NATURES MOST REGENERATIVE GROWTH FACTORS & PEPTIDES THAT DEVELOPED YOU INTO A LIVING ORGANISM - YOU ARE ABOUT TO RECLAIM SOMETHING NEVER BEFORE POSSIBLE.

Experience the Power of Nature: 4.8 Quadrillion Regenerative Growth Factors & Peptides Flooding Your System!"

DRIPDOK

WHAT ARE EXOSOMES?

The simple explination. Think of them like tiny messengers. They are carrying with them thousands of envelopes (cargo). Inside those envelops are instructions that help the body regenerate.

Exosomes carry cargo. The cargo in this case is over 1,600 different growth, healing and regenerative compounds. The exosomes deliver it right where it needs to go.

INSIGHTS

Our regenerative matrix exosomes are a unique class of healing agents. Unlike cells or tissue, these tiny, membrane-bound packages are produced within stem cells and serve as potent carriers of essential cargo.

This cargo includes peptides, proteins, and metabolites, carefully selected to transport vital information to target cells in close or distant tissues (even across the blood brain barrier into the brain unlike a stem cell).

These regenerative matrix exosomes excel at delivering crucial information to your cells. They do this without the use of DNA or RNA, making them exceptional tools for promoting healing and regeneration, especially in response to injuries."

HOW DO THEY WORK?

Exosomes are like wise mentors guiding a group of inexperienced individuals on a challenging journey.

Imagine a group of people who are unfamiliar with a difficult path, representing your body's cells facing various challenges, such as inflammation or injury. These people are like your cells seeking guidance.

Initial Phase (Weeks 0-8): In the first stage, exosomes act as wise mentors who approach this group and share their knowledge (the cargo). They say, "This is what a healthy journey looks like, and here's how you can achieve it." This initial guidance helps calm down any immediate challenges, just like a mentor's advice can ease the group's initial concerns.

HOW DO THEY WORK?

Second Phase (Weeks 6-8 to 4 Months): After 6-8 weeks, the group members start to apply the wisdom shared by the mentors. They use this newfound knowledge to regulate and reprogram their actions, improving their journey and addressing obstacles. This phase lasts approximately 4 months, during which the group members become more adept at handling challenges.

L**ong-Term Impact:** The effects of this mentoring process can extend beyond the initial 4 months and even influence the behavior of future travelers (stem cells) who join the journey. This long-lasting impact ensures that the journey continues to improve over time, just like how valuable life lessons can shape individuals and future generations.

"The longevity of change in your body depends on how you treat it, for in nurturing your vessel, you determine the permanence of transformation."

- ***Dr Anthony Hugh - keynote speech, "the future of peptide longevity"***

HOW IS IT PERFORMED?
LEAST EXPENSIVE & INVASIVE TO MOST

Exosomes can be given in various ways, including:

- Topically (applied to the skin) - low end, less expensive athetic exosomes.
- Locally (directly to a specific area) - low to medium end cosmoto exosomes.
- Intravenously (IV injection or drip) - Regenerative exosomes, some asthetics
- Intranasally (through the nose) - Regenerative or Neural derived exosomes
- Intrathecally (into the spinal canal) - Regenertative or MSC dervied exosomes
- Intradiscally (into the spinal discs)" - Regenerative or MSC derviced exosomes

WHATS THE DIFFERENCE?

Multiple routes for multiple outcomes.

MATRIX EXOSOMES	Ability	Timeline
IV Infusion	✅	Full spectrum, including crossing BBB, Lymes, Systemic Issues, Cardiovascular, Loading Doses, Early stage cognivite ecline
Intranasal, Cribiform Injection	✅	Cognitive issues - moderate to severe. Alzheimers, MS, Dementia
Occular Administration	✅	Vision loss, Glaucoma, Recovery From Lasik
IM, Joint, Intra-articular injection	✅	Musculoskeletal issues, degenerative disc disease, arthritis, ligament or tendon recovery.

WHAT CAN I EXPECT AFTER TREATMENT AND ARE THERE RISKS?

Exosome therapy is usually performed in an outpatient basis. Most patients should expect to leave the clinic without any down time. It takes less than 5 minutes to perform the exosome therapy alone. With GSH (Glutathione) it is around 25 minutes.

The patient will not experience any discomfort. Less than 1% of patients have reported developing a mild fever, headache, and less than 0.1% have reported nausea or vomiting. Around 25% will experience the feeling of needing to rest the following day.

However, if the patient develops these side effects they will not usually last more than three days . Most (if any) symptoms will usually resolve within 24 hours. No long-term negative side effects have been reported

WHY DO SOME FEEL TIRED THE NEXT DAY?

"The body's need for rest during regeneration is like a phone needing to charge. Just as a smartphone requires downtime to recharge its battery and function optimally, our body requires rest to replenish its energy and resources for healing and renewal."

Makes you think. “It’s been a while since I was 5 years old and developing.”

CAN I RESUME PHYSICAL ACTIVITY AFTER?

Do not take any anti-inflammatory medicine 1 day prior and avoid it after if at all possible for up to a month.

If you train, reduce the volume and intensity by 60-80% to allow the body to naturally recover and fully utilize the exosomes. We suggest doing a de-load week prior to your infusion. Return to exercise in a gradient approach. (e.g. 20% week 1, 40% week 2, 60% week 3, and 80% week 4).

Consider, hyperbaric oxygen therapy during your down time. HBOT is an excellent adjunct to exosomes, cerebrolysin or NAD+ therapy - especially when working with cognitive issues.

Why? It drives the compounds deeper into the tissues.

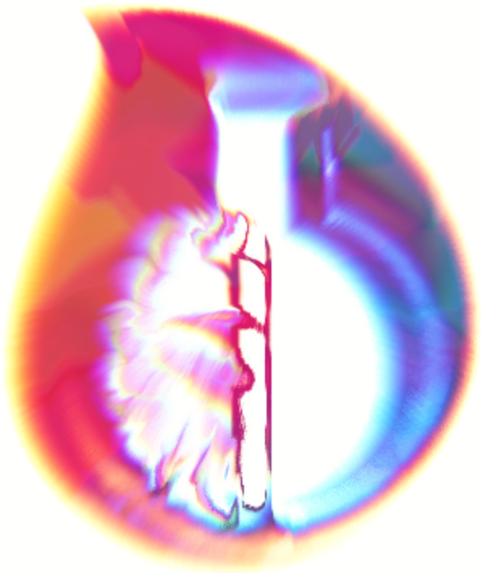
Avoid cold plunges 1-2 hours prior to the infusions as it causes your veins to constrict thus be more susceptible to damage or rupture.

MATRIX EXOSOME INTRODUCTION

"Amniotic fluid is a pivotal substance that plays a vital role in fetal development during pregnancy. Our team has meticulously collected this fluid from planned cesarean sections of full-term pregnancies, prioritizing both safety and effectiveness throughout the collection process.

To ensure the utmost accuracy, we've employed cutting-edge scientific methods to analyze the protein content of our product. Specifically, we've utilized a highly sensitive and reliable kit known as the Human Cytokine Array, designed to detect 80 different cytokines.

Our findings reveal that the most prevalent cytokines found in our product are those recognized for their critical roles in tissue repair and remodeling. This compelling evidence strongly suggests the potential benefits of our product for patients."



IS IT A STEM CELL?

No. It's 1000 x smaller than a stem cell, meaning that it can cross the blood brain barrier unlike stem cells.

75-80% of MSC and Totipontent stem cells get trapped in the lungs and are wasted. In addition, stem cells (esp totipontent) come with risks of cancer formation.

ARE THEY SAFER THAN STEM CELLS?

"Both adult stem cells and exosomes have their roles in treatment protocols, depending on the physician's goals. When administered correctly, both exosome and stem cell therapies are safe. However, exosome therapy offers several advantages, making it an attractive choice.

One notable advantage is that exosome therapy does not require surgical harvesting, reducing the risk of complications associated with invasive procedures. In contrast, some stem cell types, such as totipotent stem cells, carry higher risks, which your doctor will explain and take measures to minimize.

Stem Cells to be effective should be harvested from your own body tissue, cultured and then reinjected intra-articulately using video fluoroscopy.

ARE THEY SAFER THAN STEM CELLS?

Additionally, exosomes have distinct benefits. Unlike stem cells, where a significant portion can become trapped in the lungs, exosomes are highly efficient in reaching their target tissues. Furthermore, exosomes possess the unique ability to cross the blood-brain barrier, allowing them to address issues in the brain effectively.

Considering these advantages, exosome therapy emerges as a safer and more versatile choice for various medical treatments."

Some forms of stem cells are significantly more dangerous such as totipotent stem cells. However, you need to worry. There is no one performing totipotent stem cell injections due to the fact that they must be kept at -120 degrees C, require highly specalised USP800 laboratories to extract and can only be kept alive for a few hours. The closest place you will get to meaningful stem cell therapy in SE Asia is Thailand.

HOW ABOUT INFLAMMATION?

A study found that the Matrix treatment reduces cytokine levels involved in inflammation, supporting its use in promoting tissue repair and regeneration. A test on T-cell proliferation showed that the treatment decreased cell growth compared to a known stimulator, further supporting its anti-inflammatory properties. The Matrix treatment has potential as a therapeutic option for tissue repair and regeneration by reducing inflammation.

However that being said. You have high cost, low reward inflammation and low cost, high reward inflammation.

High cost, low reward is lifestyle based inflammation thats caused by drinking, smoking, poor diets, lack of cardio, poor sleep, in-laws, etc.|. You don’t want to send out seal team six to break up a street fight.

Hence why your goal - directed by us - to reduce as much of that is possible so that when the soldiers are released - they go straight towards the main mission objective.

WHERE DO YOU SOURCE YOUR EXOSOMES?

Our Exosomes are sourced from Florida in the USA. All donor material goes through a rigorous audit process according to FDA regulations. The laboratory is a high complexity USP800 lab with CAP and CLIA certifications and is audited on average once per week.

From there the exosomes are then post-staged using highly advanced technology in Miami Florida to allow for over 1 trillion exosomes per vial packed with over 1,600 growth factors in each exosomes. The lab produces batches of 250 vials at a time and are numbered and monitored according to FDA requirements.

They are absolutely the best in the business. When Dripdok does its due dilligence - its not a one week, one month, or one year accelerated push. It's a full on dive into the management, the protocols, the licensing, the references, and the interactions we have with them over the course of 2 years on average. If you can google the exosome manufacturer - that should be your first red flag if they are based in the USA.

All exosomes are carried by hand in a -60 degree thermogenic container door to lab.

DONOR SCREENING 1

Before cord blood is collected for research or transplantation purposes, all donors are carefully screened and tested for communicable infectious diseases according to FDA guidelines for donor qualification 21 CFR 1271.1.2. This includes testing for infectious agents such as hepatitis B, hepatitis C, HIV, cytomegalovirus, and West Nile virus, as well as screening for risk factors for these diseases through medical and social history interviews.

The screening process ensures that the donor is between 18 and 45 years of age and is in good health, without any evidence of communicable disease or high-risk behaviors. Donor eligibility is further evaluated by reviewing relevant medical records for risk factors for, and clinical evidence of, relevant communicable disease agents and diseases, as dictated by 21 CFR, 1271 subpart C—Donor Eligibility.

DONOR SCREENING 2

All of the cord blood samples are collected within 7 days of the recovery of the cord blood from the donor, and infectious disease testing is performed by a laboratory certified to perform such testing on human specimens under the Clinical Laboratory Improvement Amendments (CLIA) or that has met equivalent requirements. All kits used by the testing lab are approved by the FDA.

To ensure the safety of the donated cord blood, all contract tissue recovery organizations working with the cord blood bank hold approved Institutional Review Board (IRB) protocols. Human prenatal tissue is obtained solely through voluntary donation using an IRB-approved informed consent form. Recruitment is performed only by trained staff, who are trained on HIPAA guidelines to ensure that all donor information is kept confidential.

DONOR SCREENING 3

Donors who do not meet the criteria for donor eligibility or have incomplete donor screening in accordance with the 21 CFR 1271 regulations will not be eligible, and any material obtained from them will be disposed of per Standard Operating Procedure CFRM-DOC-037.

This rigorous screening and testing process is essential to prevent the transmission of communicable diseases through cord blood transplantation and ensure the safety and efficacy of cord blood stem cell transplantation for treating various diseases and conditions.

HOW ARE THEY SCREENED FOR VIRUSES OR BACTERIA?

Safety assessment is completed by performing endotoxin and 14-day sterility testing for the detection of bacteria, fungus, and yeast contamination. Endotoxin tests are completed in accordance to USP<85> guidelines and sterility tests are performed by VRL Eurofins, a qualified CLIA certified laboratory, in accordance to USP<71> guidelines. One vial is selected for endotoxin testing and 10% of the total lot volume is randomly selected for 14-day sterility testing at the completion of the manufacturing procedure.

The vial sample size selected for 14-day testing is determined by the USP<71> guidelines for the minimum volume and containers required based on total lot production size. Furthermore, in-process samples (2mL total volume) are collected for 14-day sterile analysis at the beginning of cord blood handling (Raw product sample) and prior to add DMSO (pre-cryopreservation sample). Our release criteria for safety assessment states that endotoxin levels must be below 5 EU/ml and all samples must be negative for sterility

HOW ARE THEY STORED?

Exosomes are kept frozen in a laboratory cryogenic freezer at -40 C or less in a saline suspension. They are extremely sensitive to heat and light. For Allocyte Exosomes, WJ products and specific MSC derived products -86 C is used.

We have back up generators, and have a 24 hour emergency hotline to a dry ice manufacture as dual redundancy.

They are transported at -65 C from lab to clinic in less than 48 hours. They are then transported to final end user using thermal bags lined with vacuum sealed dry ice meeting full compliance required at all times.

Staff undergoing rigerous, and sweat inducing trainig for handling both proper and emergency in order to always retain integrity of the product. When six figures can be thrown down the drain due a delayed flight or power outage - you best believe we worked every worst case senario possible.

CAN THEY CAUSE CANCER?

Cancer exosomes can indeed promote the growth of cancer cells, but it's crucial not to confuse them with the exosomes derived from amniotic membrane, which we utilize in our treatments.

The exosomes we employ have a different purpose.

In certain cases, exosomes derived from amniotic membrane can play a beneficial role in cancer treatment. They have the ability to deliver essential proteins to cancer cells, effectively interrupting their replication process. This unique capability makes these exosomes a potential tool in the therapeutic arsenal against specific types of cancer, offering promising avenues for treatment.

It’s important for you and others to know that again an exosome is nothing but a vessle. And can be packed with good stuff, bad stuff or down right fake stuff. Exosomes that cause cancer or other diseases are being used to find cures for these horrible diseases in completely new ways.

IS THERE RISK OF TERITOMA OR OTHER CANCERS AS WITH TOTIPOTENT STEM CELLS?

No.

Pluripotent Stem Cells (e.g., Embryonic Stem Cells): Pluripotent stem cells have the potential to form various cell types, and if not properly controlled, they can form teratomas, which are tumors containing a mixture of different cell types. The use of embryonic stem cells carries a higher risk of teratoma formation.

Induced Pluripotent Stem Cells (iPSCs): iPSCs are generated by reprogramming adult cells to a pluripotent state. While they have the potential for teratoma formation, strict protocols and screening can minimize this risk.|

Totipotent are the most sinister of all. Having extremely high likely hoods of mutation.

IS THERE RISK OF TERITOMA OR OTHER CANCERS AS WITH TOTIPOTENT STEM CELLS?

Adult Stem Cells (e.g., Mesenchymal Stem Cells): Adult stem cells are generally considered safer because they are more specialized and have limited differentiation potential. They are less likely to form teratomas or contribute to cancer development.

Source of Stem Cells: The source of stem cells matters. Stem cells derived from the patient's own body (autologous) typically carry a lower risk of immune rejection and teratoma formation compared to stem cells from other donors (allogeneic).

Stem cells should almost always be derived from your own body.

Treatment Protocols: Proper protocols, including rigorous screening and purification of stem cell populations, are essential to reduce the risk of teratoma or other cancer development.

Patient-Specific Factors: Individual patient characteristics and medical history can also influence the risk. Patients with a predisposition to cancer may have a higher risk when undergoing stem cell therapy.

DO I NEED MULTIPLE INFUSIONS & IF SO HOW SHOULD THEY BE SPACED?

IAs we discussed in the eariler slides. There is a time and place. There are three factors:

1. Budget
2. Severity of Issue/Disease
3. Outcome manaagement and monitoring

If the patient can't afford it, then no matter the other two - there's not much to do.
If the disease is bad, there are many more protocols avaliable now within doctors circles using such products. Therefore it finaly comes down to clinic dicision making. Has there been significant improvement, it maybe prudent to saturate the body with another vial - wait for a few months then reassess.

You can NOT overdose on exosomes.

IS THERE ONGOING MONITORING OR FOLLOW UPS?

Each month a CSV data dump is requested of the patients wearable. If they do not have we attempt to quantify to the best of our ability. In addition any out of range blood biomarker as well. The pillars of life - bio, psych, social, and spiritial have a way of not only throwing our intuition off but our health as well. How we feel, webMD and our chatGPT search are not solid indicators of a successful treatment.

Exosomes are a form of cellular therapy and a similar timeline can be applied when it comes to assessing the body's response. Therefore, the same follow-up routine is scheduled, and the progress is measured after approximately 3 to 4 months to determine the customized follow-up treatment protocol and home care protocol

We ask that you remained as grounded as possible - and should emotional issues arise - please do your best to approach with equinimity - remembering what you paid for your health care and they didn't should be a motivating force. ALWAYS keep us in the loop and fill out your surveys as they arrive.

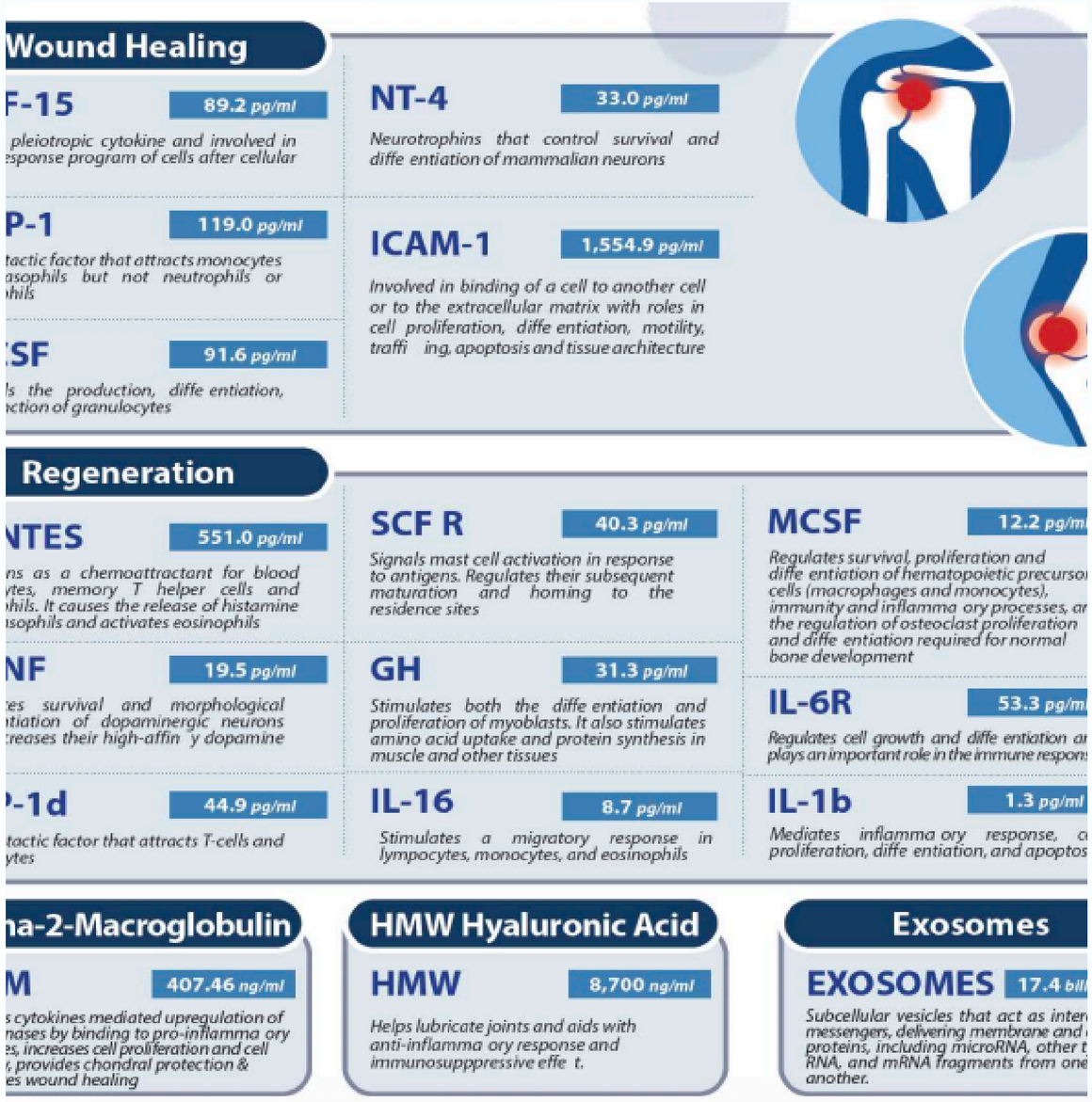
AM I ABLE TO GET MORE AFTER THE FIRST DOSE?

Absolutely. You can not overdose on exosomes. However, those that are severely immune compromised should not use this product.

BENEFITS

Regenerative Exosomes Have Impact On

- Auto-Immune Diseases & Cancer
- Musculoskeletal Pain & Damange
- Lymes Disease & Thyroid Disfunction
- TBI's, Alzheimer's, Dementia



BENEFITS

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Angiogenin	Induces blood vessel formation
IL-8	Polymorphonuclear leukocyte (PMN) attractant interleukin-8 (IL-8) enhances epidermal wound healing.
MCP-1	Monocyte chemoattractant protein-1 (MCP-1/CCL2) is one of the key chemokines that regulate migration and infiltration of monocytes/macrophages.
TIMP-1	The glycoprotein is a natural inhibitor of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function.
TIMP-2	same as TIMP-1
Angiostatin	Angiostatin, a circulating inhibitor of angiogenesis. In vitro, angiostatin inhibits endothelial cell migration, proliferation, and tube formation, and induces apoptosis in a cell type-specific manner.
uPAR	urokinase plasminogen activator (uPA) and its receptor (uPAR) promotes matrix remodeling and wound healing
EGF	Epidermal growth factor (EGF) is a protein that stimulates cell growth and differentiation by binding to its receptor, EGFR
IGFBP-1	a member of the insulin-like growth factor binding protein (IGFBP) family, IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs. This protein is important in cell migration and metabolism.
IGFBP-2	same as above
IGFBP-4	same as above
IL-9	Acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis.
Osteopontin	OPN interacts with multiple cell surface receptors that are ubiquitously expressed thereby making it an active player in many physiological and pathological processes including wound healing, bone turnover, inflammation, ischemia, and immune responses.

DO THEY HELP WITH CHRONIC INFLAMMATION?

Absolutely. Recent research has shown that exosomes have anti-inflammatory potential and induce high levels of anti-inflammatory cytokines.

This can therefore assist to regulate the inflammatory response.

In addition, they can also inhibit abnormal macrophage activation. The macrophage is a large white blood cell that is an integral part of our immune system. Its job is to locate microscopic foreign bodies and ‘eat’ them.

However, disproportional macrophage activation can induce undesirable inflammatory processes.

DO THEY HELP WITH CHRONIC INFECTIONS AND AUTOIMMUNE DISEASE?

Chronic infections have a lot in common with autoimmune diseases, including dysregulated immune response incapable of protecting our body from pathogens (bacteria, viruses, molds etc.) while attacking our own body tissues and organs thus causing significant structural damage.

One of the key mechanisms controlling the direction of immune responses is a balance between specific protective immune cells vs autoimmune responses.

Exosomes derived from amniotic growth factors have shown to normalize that immune balance and bring the deviant immune response back to normal.

However, severely immune compromised people should not use this product.

DO THEY HELP WITH NEUROLOGICAL DISORDERS & COGNITIVE DECLINE?

Research has shown that exosomes can penetrate the blood-brain barrier and stimulate neuronal differentiation, neuronal growth, and suppress inflammatory processes within the brain tissue.

Multiple clinics using MATRIX have shown tremendous results in those with TBI, cognitive decline, Alzheimer's and dementia.

At DripDok we assess and can add synergistic adjunct Tri-peptides to further benefit to those suffering from the above.

EXOSOMES AND LYMES DISEASE?

Lyme Disease is a very complex disease, caused by the Borrelia burgdorferi bacteria, which compromises the immune system. Tick-borne disease can also come with multiple co-infections. A combination of factors causes the onset of illness as immune system functions become disrupted leading to diminishing cellular health, immune function, metabolic function and dramatically increasing inflammation.

Many Lyme patients often have dysfunction of the mast cells, increasing their inflammatory response. Inflammation is a central player in most neurodegenerative diseases as well. Incorporating exosomes into a multi modality treatment regimen may help break the inflammatory cycle and provide the body with necessary cellular information to facilitate healing.

DRIPDOK

WHY US?

DripDok was founded by US Doctors and PhDs. With over 16 years of clinical experience in regenerative medicine, physical therapy and chronic pain management.

More importantly, those that have experienced severe life threatening TBI's and disabling accidents that traditional medicine couldn't solve.

BOOK AN APPOINTMENT

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https://dripdok.com