DnTripleD SOLUTIONS

Modern Apheresis
Blood Purification

Therapeutic Apheresis: Proven Efficacy Across Multiple Diseases and Enhancement of Quality of Life

Apheresis is a **modern blood purification method** in which disease-causing substances are selectively removed using special filters or adsorption cartridges. The safety and effectiveness of apheresis are recognized worldwide. We use the newest and most efficient types of selective apheresis: Double-Filtration Apheresis, including LDL-apheresis, and Hemoperfusion.

Apheresis **improves physical and mental performance**, contributes to **longevity**, and helps treat various diseases, including autoimmune disorders such as Hashimoto's thyroiditis, multiple sclerosis, myasthenia gravis, psoriasis, systemic lupus erythematosus, rheumatoid arthritis, **long COVID, hyperlipidemia, chronic fatigue syndrome, and Alzheimer's disease**. Apheresis is also effective in detoxifying the body from heavy metals and harmful substances.

Key benefits of apheresis:

Selective removal of harmful substances
Apheresis removes pathological autoantibodies, toxins, inflammatory mediators, cytokines, and other disease-causing molecules from the blood.

Treatment of multiple diseases simultaneously
Apheresis has documented effectiveness in neurology, rheumatology, endocrinology, allergology, and other areas of medicine.

Powerful anti-inflammatory effect
Reducing cytokines and inflammatory substances relieves the immune system and significantly limits inflammatory processes.

Comprehensive body regeneration
Blood purification supports the body, enhances natural regenerative processes, and improves cellular function.

Fast results
Many patients experience significant improvement after just the first treatment.

More energy and vitality
Improves physical and mental performance and provides noticeable anti-aging effects at the cellular level.

Individual care and the highest standards of apheresis:

- **Modern medical care** at the highest standards.
- **Maximum patient safety** with advanced technologies from the leading European manufacturer Medica S.p.A. (Italy). We use state-of-the-art equipment, sterile filters with high-quality membranes of precisely selected pore sizes, and sterile single-use kits for the highest quality of procedures.
- **Experienced physicians:** continuous medical supervision throughout the entire procedure.
- **Individual approach:** compassionate, personalized treatment tailored to each patient's unique needs.

Learn more on our websites:
www.plazmafereza.pl or
www.bloodpurification.net

DNTRIPLED Sp. z o.o. is the exclusive distributor of blood purification technologies from Medica S.p.A. (Italy) in Poland. We coordinate blood purification treatments, including Double Filtration Plasmapheresis (DFPP), LDL-apheresis, and hemoperfusion, in our medical facilities in Poland and Germany, under the supervision of qualified medical specialists trained by our organization.

Therapeutic Apheresis: Effective in Prevention, Longevity, and the Treatment of Many Diseases

The list below is a shortened selection and does not include all conditions in which Double Filtration Plasmapheresis is used. Find out more on our website www.plazmafereza.pl

- ✨ Longevity
- ✨ Improvement of physical and mental performance
- ✨ Detoxification of the body from heavy metals and other harmful substances
- ✨ Preparation for In Vitro Fertilization (IVF)
- ✨ Chronic fatigue syndrome
- ✨ Long COVID
- ✨ Hyperlipidemia
- ✨ Severe alcohol poisoning
- ✨ Autoimmune diseases
- ✨ Inflammation of the pancreas, liver, and kidneys
- ✨ Vasculitis and atherosclerosis
- ✨ Myocarditis
- ✨ Skin inflammation, eczema, psoriasis
- ✨ Lupus and rheumatoid arthritis
- ✨ Myasthenia gravis
- ✨ Demyelinating diseases
- ✨ Multiple sclerosis

Our offer includes:

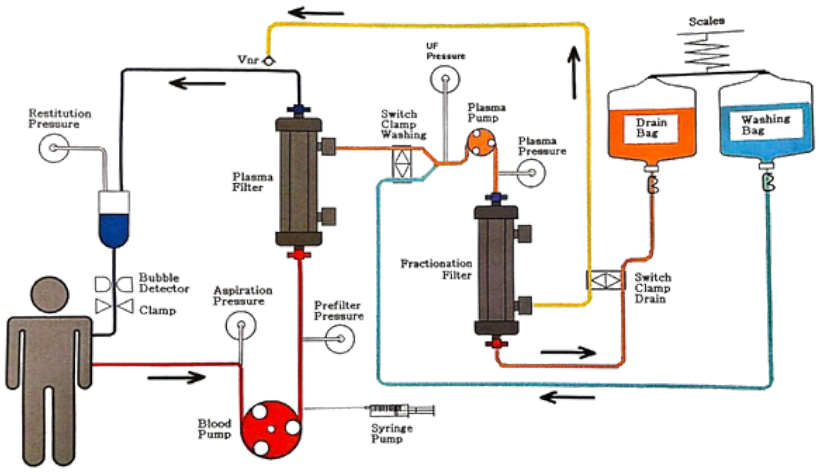
Double Filtration Plasmapheresis (DFPP). DFPP is a closed-loop procedure in which the patient's plasma is purified and then returned to the body. Thanks to modern technology, only a small amount of blood (about 250 ml) is processed in the device at any given time. This ensures that the patient does not experience any deficiency of essential blood components or electrolyte imbalances. After the procedure, only about 150 ml of concentrated pathological plasma is removed, which, upon request, can be sent to a laboratory for diagnostic analysis.

Since we use filters (not a centrifuge) to separate plasma from red blood cells, a high blood flow rate is not required. In most cases, we can use the veins in the forearm, similar to a standard intravenous infusion.

With state-of-the-art technology, there is no risk of infection, as the blood never comes into direct contact with the device's internal components. Blood and plasma flow exclusively through sterile, single-use sets and filters, which we can unpack in the patient's presence before the procedure, if requested.

Hemoperfusion. Hemoperfusion is used in cases of severe inflammation, sepsis, drug overdose, poisoning, severe kidney disease, liver failure, rhabdomyolysis, severe acute pancreatitis, and hyperlipidemia. Unlike Double Filtration Plasmapheresis, in which plasma passes through a fractionating filter, hemoperfusion does not separate plasma — the entire blood flows through a special adsorptive cartridge with multifunctional properties. Hemoperfusion effectively removes both endogenous and exogenous molecules, including: inflammatory mediators, cytokines, bilirubin, toxins, drug residues or excess medication, accumulated β2-microglobulins, excess parathyroid hormone, leptin, and other protein-bound toxins, as well as triglycerides and cholesterol in severe pancreatitis and myoglobin.

Double-Filtration Plasmapheresis (DFPP)



Hemoperfusion