

Therapeutic Apheresis – A Modern Method for Treating Autoimmune Diseases



Autoimmune diseases such as multiple sclerosis, myasthenia gravis, rheumatoid arthritis, Hashimoto's disease, psoriasis, or Crohn's disease develop when the immune system begins to attack the body's own tissues. Typical symptoms include chronic inflammation, pain, and fatigue. Many patients also experience side effects from traditional immunosuppressive medications.

Therapeutic apheresis (blood purification) is a modern, evidence-based method for treating autoimmune diseases. The procedure does not involve administering additional drugs – instead, it removes harmful substances from the blood. The safety and effectiveness of this method are recognized worldwide.

Apheresis is a blood purification technique that selectively removes disease-causing substances without the need for donor plasma.

Key Benefits of Apheresis:



Powerful anti-inflammatory effect

Apheresis removes autoantibodies, toxins, and other harmful substances from the blood, leading to a significant reduction in inflammation.



Treatment of multiple conditions simultaneously

Apheresis has clinically documented therapeutic efficacy in managing numerous disorders.



Treatment of underlying causes of autoimmune diseases

Including heavy metal toxicity and drug-induced autoimmune reactions.



Comprehensive body regeneration

Enhances both mental and physical performance and provides strong 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



This material is for informational purposes only and should not be considered a substitute for personal medical consultation or treatment.

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:

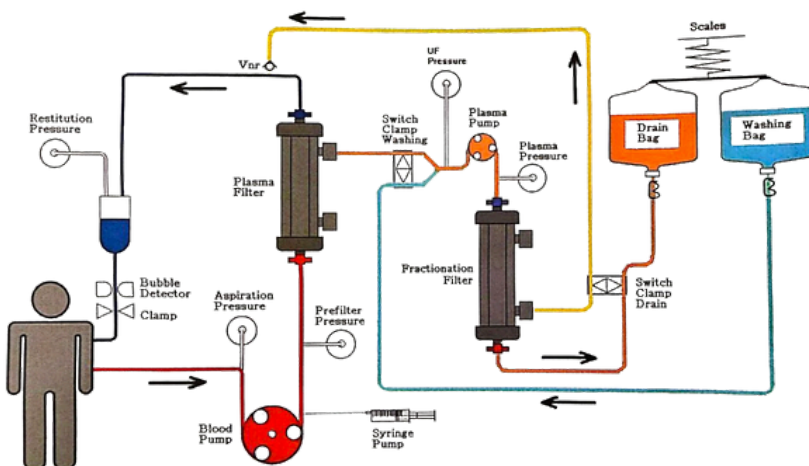
Double Filtration Plasmapheresis (DFPP). DFPP is a closed-loop procedure in which the patient's plasma is purified and then returned to the body. Thanks to modern technology, only a small amount of blood (about 250 ml) is processed in the device at any given time. This ensures that the patient does not 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.

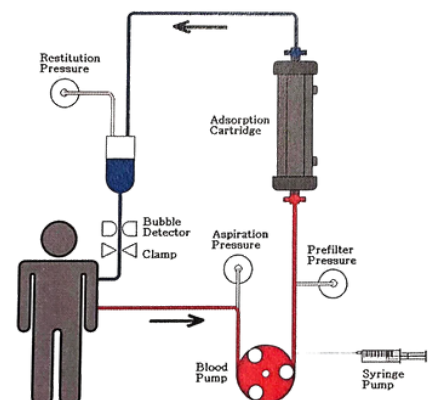
With state-of-the-art technology, there is no risk of infection, as the blood never comes into direct contact with the device's internal components. Blood and plasma flow exclusively through sterile, single-use sets and filters, which we can unpack in the patient's presence before the procedure if requested.

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 β_2 -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



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