



**ACP Max™ System
Naturally Better.**

Highly concentrated PRP containing
platelet-derived exosomes

**Arthrex
Aesthetics™**

Want to learn more about ACP Max™?
Scan the QR codes
and ask your physician about:

The processing of Exosome-rich PRP with ACP Max™



The Exosome content and composition of ACP Max™



The therapeutic potential of Exosomes derived
from Platelet-Rich Plasma



Exosome-Rich PRP with ACP Max™

What Are Exosomes?

Exosomes are nano-sized messengers naturally present in your blood.¹ They carry proteins and your own genetic information (miRNAs) that help cells repair, regenerate, and communicate.^{2,3} Research shows they play a key role in reducing inflammation and promoting tissue health—perfect for advanced skin rejuvenation and hair restoration.^{3,4}

How is it prepared and applied?

Step 1: A quick blood draw (60-90 mL) from your arm

Step 2: Your blood is centrifuged twice to concentrate platelets and their regenerative components using a specialized system

Step 3: Your body's own product, rich in Platelets, growth factors and exosomes, is ready for injection or topical application in conjunction with other treatment modalities (e.g. microneedling or laser)



How does it work?

Exosomes play an important role for body's own skin rejuvenation, hair regrowth and wound healing through delivery of molecular signals that:



Reduce inflammation and oxidative stress^{4,6}



Stimulate fibroblast proliferation and extracellular matrix production^{2,3}



Support angiogenesis and improved microcirculation^{2,3}

What can it be used for?

Treatments for skin rejuvenation, texture and elasticity, dark circles, wrinkles, pigmentation, sagging, acne scars, and even hair loss.

Please ask your physician for further information.

Why Choose Exosome-Rich PRP From ACP Max™?

Our approach focuses on **quality, not just quantity.**

Verified purity: Only ~1% of particles in the plasma are true exosomes—our product is **precisely characterized** by size (100-200 nm) and origin (primarily platelets).^{3,5,6,7}

High concentration: ACP Max™ delivers ~**30 billion CD9-positive exosomes per mL**, adding up to 180 billion active particles per treatment.⁶

Smart cargo: Over **653 unique miRNAs** were identified in ACP Max™, including high concentrations of **miR-21-5p** and **miR-451a**, linked to fibroblast activation and supporting oxygen delivery and stress adaption in healing tissues.^{6,8,9}

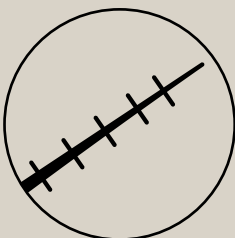
Autologous and safe: Derived entirely from your own blood, Exosome-rich PRP represents a safe and natural treatment modality.



Facial skin
rejuvenation



Alopecia
(male and female)



(Acne) scars



Eye circles

References

1. Welsh JA, et al. Minimal information for studies of extracellular vesicles (MISEV2023): From basic to advanced approaches. *Journal of Extracellular Vesicles*. 2024;13(2):e12404.
2. Gupta AK, et al. Therapeutic potential of extracellular vesicles (Exosomes) derived from platelet-rich plasma: a literature review. *J of Cosmetic Dermatology*. 2025;24(2):e16709.
3. Spakova T, et al. Characterization and Therapeutic Use of Extracellular Vesicles Derived from Platelets. *Int J Mol Sci*. 2021 Sep 8;22(18):9701.
4. Miron RJ, et al. Understanding exosomes: Part 2—Emerging leaders in regenerative medicine. *Periodontology 2000*. 2024;94(1):257-414.
5. Miron RJ, et al. Understanding exosomes: Part 1—Characterization, quantification and isolation techniques. *Periodontology 2000*. 2024;94(1):231-256.
6. Piening L, et al. Small extracellular vesicles from platelet-rich and platelet-poor plasma are primarily from platelets and protect synoviocytes from il-1 β -induced inflammation. *Am J Sports Med*. 2025;53(14):3462-3473.
7. Simonsen JB. What are we looking at? Extracellular vesicles, lipoproteins, or both? *Circulation Research*. 2017;121(8):920-922.
8. Xie J, et al. Roles of microrna-21 in skin wound healing: a comprehensive review. *Front Pharmacol*. 2022;13:828627.
9. Wang FX, et al. Mir-451 in inflammatory diseases: molecular mechanisms, biomarkers, and therapeutic applications—a comprehensive review. *CIMB*. 2025;47(2):127.





Arthrex is one of the world's leading companies in regenerative medicine, sports medicine, and minimally invasive surgery.

For four decades, Arthrex has been known for superior innovation and uncompromising quality. We have developed more than 18,000 products and surgical procedures and we distribute medical devices in over 100 countries worldwide. As a company with a strong culture of innovation, Arthrex is committed to improving and maximizing the quality of life for patients around the world.

We are now proud to introduce Arthrex Aesthetics, bringing our decades of experience and globally renowned reputation to the world of aesthetic medicine. We are the global market leader for PRP/PRF systems and have been distributing our high-quality medical products for over 10 years in aesthetic medicine, dermatology, and plastic surgery.

Do You Have Any Questions?

Your physician will be happy to provide further information.

aesthetics.arthrex.com

Arthrex GmbH | Erwin-Hielscher-Str. 9 | 81249 Munich | DE

© 2026-01 Arthrex GmbH. All rights reserved. pFL2-001044-en-US_A