

Platelet gels and hemostasis in facial plastic surgery.

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Abstract:

Over the last decade, the availability of autologous and homogenous platelet-rich and fibrin-rich gels has increased. Due to their more widespread availability and the potential benefits of improved hemostasis and wound healing, their use during facial plastic and reconstructive surgery procedures has also grown. These gels, when applied topically, attract inflammatory cells and fibroblasts and stimulate collagen deposition. Various studies have investigated the potential surgical applications and benefits of these gels. What follows is an in-depth review of the various fibrin and platelet gels available. Furthermore, it clarifies the current applications and proven benefits in facial plastic surgery. Copyright © 2011 by Thieme Medical Publishers, Inc.