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Hair-Loss: New Autologous and Mini-Invasive Procedures

Guest Editor:

Prof. Dr. Pietro Gentile

Surgical Science Department,
Plastic and Reconstructive
Surgery Unit, University of Rome
"Tor Vergata", Rome, Italy

pietrogentile2004@libero.it

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Message from the Guest Editor

This Special Issue is devoted to recent advances in hair loss treatment focusing on the development of new autologous and/or mini-invasive procedures. There is a clinical demand for the development of biotechnologies capable of enhancing regenerative tactics in hair loss. To meet this demand, advances in tissue engineering must revolve around the improvement of mini-invasive technologies. Integral components of these technologies include the combined or independent use of autologous platelet-rich plasma (PRP), the micro-needling technique (MN-T) and low-level led therapy (LLL-T), which are applied to enhance hair re-growth. A special focus must be dedicated to the innovative use of human follicle stem cells (HFSCs) and human adipose tissue derived follicle stem cells (H-AT-d-FSCs) via minimal manipulation procedures.

Hair research is currently focused on the development of advanced topical formulations, while a major development is yet to be achieved in terms of autologous and mini-invasive procedures.



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Special Issue