RTF-1: Characterization of its main components and analysis of its biological effects on hair follicles

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Colostrum is the first secretion product of mammary gland after birth and represents a natural source of vitamins, immunoglobulin, cytokines, hormones, and growth factors. All these factors stimulate tissues turnover, regulate energetic metabolism and strengthen the immune system. For these beneficial features, colostrum has been traditionally used to treat several diseases, such as rheumatoid arthritis and bacterial infections. Bovine colostrum promotes growth and migration of both epithelial and mesenchymal cells. Moreover, the mitogenic capacity of bovine colostrum on human keratinocytes has been demonstrated. The combination of growth factors and active molecules contained in colostrum makes it an efficient natural product able to improve wound healing. Furthermore, recent experimental data show the association of new hair follicles to the spontaneous wound healing process. Bovine colostrum composition has been only partially defined. However, some elements are known to be contained also in platelet rich plasma (PRP), which represent one of the most recent and effective tool to counteract androgenetic alopecia. Based on the above hypothesis described, the new cosmetic ingredient RTF-1 (bovine colostrum) may favor the renewal of hair follicles on glabrous skin areas and may represent a useful natural presidium against androgenetic alopecia. Will be discussed the results of in vitro and clinical studies of this new active ingredient.

Biography
Maria Vitale is currently working as a Medical Director for IFC Group [Industrial Farmaceutica Cantabria], at Madrid, Spain. She is an active speaker and has delivered presentations in different conferences. Her principle expertized topics are Acne, Herpes, Photoprotection, Photoaging, and Phototherapy. She is member of various scientific societies- American Academy of Dermatology (AAD), Dermatology Society of Argentina (SAD), and many more.

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