

JOINT EVENT

8<sup>th</sup> International Conference on **Cosmetology & Skin Care**  
&  
14<sup>th</sup> International Conference and Exhibition on  
**Cosmetic Dermatology and Hair Care**

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**A magnificent cocktail of cosmetic ingredients to combat definitively the complex phenomenon of dandruff in man****Lorenzo Martini**

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If excess of sebum in scalp and hair represents a concert, dandruff indeed can be considered as a symphony. The reason is that in the phenomenon of dandruff six are the chief pathophysiological causes: the presence of the micro-organism *Pityrosporum orbicolare* (that evokes a dramatic fungal infection, often perennial), the excess of sebum, the misregulation of the normal process of desquamation of head epidermis (Brody I), the presence of a specific allergen in head sweat (Berrens L and Young E), the co-presence of xerosis and hyperkeratosis, the progressive and ineluctable hair loss. The approximative usage of ciclopirox olamine and clotrimazole at modest percentages (since these ingredients are expensive and excessively difficult to be solubilized or dissolved in aqueous solutions) as in the major part of the cosmetic hair products against dandruff retrievable on the global market, can solve the complex concern of dandruff, even if after a prolonged treatment the problem always recurs. The product we have studied and tested on volunteers for almost an entire decade (and this formula disguised as a trade anti-dandruff shampoo, is achieving a resounding success in Europe) comprehends all the stratagems to defeat radically Dandruff, seen as a pathological manifestation, both as prevention measure and as drastic remedy. Extremely high dosages of ciclopirox olamine and clotrimazol (within the limits admitted from CE rules upon cosmetics) are employed to combat the malassezia, over the just presence in formula of selenium disulfide, an exceptional antifungine agent. Panthenol (vit. B5) is apt to reduce sebum excretion from sebaceous glands. Urea and the hydrolised soy proteins are welcome to cancel the error of the process of desquamation that occurs always in case of presence of sebum and malassezia. Sodium glutamate has been inserted in formula as it decisively exorcises the occurrence of allergens, for the fact that it may defeat homeopathically allergies. The libelous campaign against sodium glutamate, cause of allergies in food, let us deem that this ingredient, administered in modest dosages, can represent an homeopathic demaneour. Tridecyl salicylate is capable to combat hyperkeratosis and finally Zinc gluconate, like all organic derivatives of Zinc ion, may reveal its valuable performances as a 5-alpha reductase inhibitor against hair loss.

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