



COSMETOLOGY : NEW TRENDS IN WESTERN COUNTRIES

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New knowledges on skin functions and above all the idea to activate the epidermal and dermal stem cells, gave rise to new concept in repairing photodamage and promote renjuvination. Up to now dermatologists try to cancel aging and photoaging signs by destroying skin cells via chemical agents or thermal energy promoting cell replacement with unstable results. The future trend is to exploit the enormous auto-repairing skin power. In other words skin must be stimulated to react by more physiological stimuli. The most successful technique is nowadays **Photodynamic Therapy**. It consists in eliminating, selectively, aged cells through the application of a photosensitizer. In this way new cells derived from epidermal stem cells, will replace.

Another technique that is spreading is **Skin Needling**. It consists in pricking the skin with thousands of fine needles next to each other in order to stimulate production of growth factors. **Micropoeling** technique is also very promising : it speeds up cell renewal through increasing stratum corneum desquamation rate.

Biophotostimulation also activates cells via non-thermal light pulses and seems to give good results.

The techniques described work on physiologic and natural basis and will be the alternative to the previous ones, opening new trends in dermocosmetology.