Complication after laser and EBD in clinical practice

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Statement of the Problem: The use of high Energy Based Devices [laser, intense pulsed light (IPL), RF, HIFU US] is booming in aesthetic practice. And, of course, with the growth of these activities the number of side effects and complications is increasing. Most often, these cases are associated with a breach of protocols of the performed procedures and with the wrong before & after treatment customer’s care.

Methodology & Theoretical Orientation: We made analysis of complications based on the patient’s photos, statistics and patient satisfaction with descriptions of the procedures.

Findings: Post-treatment erythema is the most common side effect of those methods. Recent developments in high energy sources technologies have aimed at minimizing thermal damage to the dermis. We present a case, impressively demonstrating that high-energy devices demand profound knowledge of its mechanism of action and can cause severe harm in the absence of basic knowledge. Nevertheless, complications have to be clearly distinguished from professional errors.

Conclusion & Significance: This report provides the highlights of how to minimize these complications, to manage statistical reports of risks for the relevant physicians to show less side effects and more consistent clinical results.

Biography
Natalia Gaidash has completed her MD and PhD. She is a Dermatovenerologist, and Cosmetologist specialist in laser and EbD technologies, Chief Editor of the Journal, Apparatus Cosmetology. She was also the Director at TriActive Clinic, Moscow. She has been an Aesthetic and Dermatology Physician. She is a regular lecturer and committee member at both international and national congresses and is involved in a number of research programmes & publications. She is a member of American Academy of Dermatology (AAD), American Society for Laser Medicine and Surgery (ASLMS), European Academy of Dermatology and Venerology (EADV), International Society of Dermatology (ISD), European Medical Laser Association (EMLA), International Society of Dermatoscopy (IDS) and Russian Society of Aesthetic Medicine.

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