

## Global Summit on SKIN CARE AND COSMETOLOGY

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**The new Cosmetic Jet Handpiece Technology for Jet Facial Rejuvenation treatments delivers clinical improvement in Hydration and Elasticity: A Preliminary clinical study****Katarina Obradović***Be You Technology Germany GmbH, Germany*

This preliminary clinical study evaluates the improvement of skin hydration and elasticity of a novel handpiece technology for cosmetic jet. Until now investigations on skin rejuvenation impact of cosmetic jets focused on its peeling effects, but very little on building and maintaining skin hydration over time. A group of 30 volunteers (Aged 20-60) were subjected to 1 month of treatment (3 sessions at 10 days intervals) with the novel BYTJET<sup>®</sup> system. At baseline and after treatment photos were made and biophysical assessments of skin elasticity and skin hydration with IONTO-SCOPE APA 100 device. Additionally, efficacy and treatment satisfaction were assessed (a subject questionnaire). The survey showed that 90% of respondents were highly satisfied with aesthetic result of the treatments. The results given in percentage to the predefined value for the given age, are presented in a high and low bar graphic showing data for each patient and summed up data for all subjects at baseline and after. The average increase in hydration was 30,8% for first, 20% for 2nd, and 12,67% for 3rd session. The average increase at baseline comparing the 2nd to the 1st baseline measurement was 12% and 3rd to 1st 19%. Conclusion: the device causes valuable increase in hydration and builds it up after each subsequent treatment. Similar results are achieved for the skin elasticity. Further investigations are needed to explore duration of the boosting hydration effects until the values drops back down to the baseline.

**Biography**

Katarina Obradović graduated as a master of electrical engineering on the University of Belgrade in 1993. After 14 years of working as a project and group manager in Ericsson GmbH, Aachen, she started her own business in Germany entering the field of apparative cosmetics. Today Be You Technology Germany GmbH produces 6 different cosmetic devices for facial rejuvenation designed by her. In 2020, she applied for international patent with the novel technology for handpieces for cosmetic treatments with high velocity jets. In October 2020 she entered Ph.D. studies on the Faculty of Pharmacy, Novi Sad.