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### Combination laser treatment for immature scars

Surgical scar revision (SSR) has been the main treatment modality for scars, with few alternative options until lasers were developed and were found to be useful. Combination laser treatment (CLT) and combined CLT and SSR have not been studied in detail, despite evidence demonstrating that the combination of these modalities could result in statistically better outcomes. Immature scars (IS), a novel class of scars, defined as “scars whose features are not yet expressed,” are situated at a treatment nexus between SSR and CLT. Vascular lasers have been shown to improve scar quality with treatment on the suture removal day, while fractional lasers are being tested on scars in early stages. However, there are few studies on early laser treatment of scars and no guidelines for the treatment of IS. The recently published article by the author demonstrates how IS need to be treated for better outcomes. The study also provides useful guidelines for practitioners, based on statistical analysis. The study design and statistical methodology of the study will be presented orally and the results are summarised as follows. The outcome of facial scarring is more enhanced than that observed in non-facial scars. Facial scars in patients under the age of 15 exhibited greater results when compared to facial scars in older patients. The choice of initial vascular laser used on facial scars, either 532nm or 585nm, had no significant effect on scar outcome. Therefore, it is advised that CLT be initiated as soon as possible after stitch removal to improve facial scar outcome. Furthermore, younger patients are expected to have a more improved result than those who are older.

### Biography

Yongsoo Lee completed his Medical degree at Yonsei University, South Korea. He is the Co-Founder and Co-CEO of Oh and Lee Medical Robot, Inc. and affiliated to Yonsei YL Laser Dermatology and Plastic Surgery in South Korea. He has published many papers in respected journals and has served as an Editorial Board Member of medical journals. He also served as the sole Editor of “*Scars and Scarring: Causes, Types and Treatment Options*,” published by Nova Biomedical, New York, USA.

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