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| Categories:              | Keratorefractive  |
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| Title:                   | Multizone Presbyopic Correction in LASIK with Pulzar Z1 Solid-<br>State Laser: Safety, Efficacy, and Predictability   |
| Contributing<br>Authors: | Marin, Gabriel E.; Desai, Pratap; van Saarloos, Paul; Jain,<br>Mukesh   |
| Purpose:                 | To investigate the safety, efficacy and predictability of multi-zone<br>Presbyopic LASIK treatment with the CustomVis PULZAR Z1.  |
| Methods:                 | Twenty-five non-dominant eyes were operated with CustomVis<br>Presbyopia treatment plans. Patient average age was 52.1 years.<br>4 eyes were plain presbyopic treatments of emmetropic eyes<br>while the others received additional correction for hypermetropia.<br>All eyes were followed for a minimum of three months. Pre-<br>operative Uncorrected Visual Acuity (UCVA) for far vision ranged<br>from 20/20 to 20/40 in 80% of cases and for near vision was<br>from 20/40 to 20/200. |
| Results:                 | Postoperatively 72% of patients had 20/40 or better far<br>uncorrected visual acuity and 100% of cases had 20/40 or better<br>for near uncorrected vision. 95% were either satisfied or very<br>satisfied with their binocular vision. Changes in High Order<br>Aberrations were similar to that reported for standard LASIK.   |
| Conclusion:              | Three months follow-up results with CustomVis multi-zone<br>Presbyopic correction are promising. Further study and long-term<br>follow-up required to confirm consistency in predictability and<br>efficacy of Presbyopic correction.   |