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Author:	Tarak A. Pujara, DO, MS
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Title:	LASIK for Myopic and Mixed Astigmatism Using a Solid-State Laser
Contributing Authors:	Pujara, Tarak A.; Marin, Gabriel E.; Jain, Mukesh
Purpose:	To assess the safety, predictability and efficacy of the Pulzar Z1 Solid State Laser system (213nm) in Laser in Situ Keratomalacia (LASIK) for myopic and mixed astigmatism.
Methods:	Ten eyes having astigmatism from -4.00 Diopter (D) to -6.50 D were treated with CustomVis Pulzar Z1 Solid State Laser. One eye was of myopic astigmatism and the other nine were of mixed astigmatism. Moria CB Microkeratome was used in all cases. Average pre-operative cylinder was -5.2 D. All cases were followed for minimum 8 weeks. Pre-operative visual acuity was 20/60 to 20/400.
Results:	80% of cases had 20/25 or better Uncorrected Visual Acuity (UCVA) at 8 weeks or longer follow up and all cases (100%) had a UCVA 20/30 or better. Average correction of astigmatism was 4.68 D. On Vector analysis average percentage vector change was 90% suggesting little undercorrection.
Conclusion:	Pulzar Z1 Solid State Laser is safe, predictable and effective for the treatment of high and mixed astigmatism. Excellent results can be achieved by small adjustment of nomogram.