

Accepted Manuscript

Systemic Solutions in Retinopathy of Prematurity

Darius M. Moshfeghi, MD

PII: S0002-9394(18)30223-X

DOI: [10.1016/j.ajo.2018.05.013](https://doi.org/10.1016/j.ajo.2018.05.013)

Reference: AJOPHT 10524

To appear in: *American Journal of Ophthalmology*

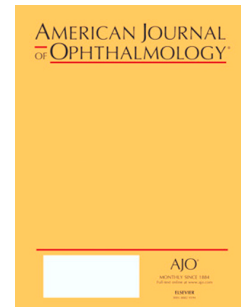
Received Date: 24 October 2017

Revised Date: 9 May 2018

Accepted Date: 10 May 2018

Please cite this article as: Moshfeghi DM, Systemic Solutions in Retinopathy of Prematurity, *American Journal of Ophthalmology* (2018), doi: 10.1016/j.ajo.2018.05.013.

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Purpose: To describe a framework for screening and treatment of retinopathy of prematurity using telemedicine screening with laser and/or vascular endothelial growth factor inhibitor treatment strategies.

Design: Literature review and perspective

Methods: Review of the literature and the author's experience

Results: Undetermined

Conclusions: Telemedicine can be deployed on a national basis to provide quaternary level screening for ROP. At-risk patients for treatment could then be directed to receive either laser photocoagulation or vascular endothelial growth factor inhibitor intravitreal injections followed at a later time point by examination under anesthesia, fluorescein angiography, and diode laser photocoagulation as indicated.

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