



Sarthak Shah

MD Student with Scholarly Concentration in Molecular Basis of Medicine,
expected graduation Spring 2026

Publications

PUBLICATIONS

- **Regional variations in type 1 retinopathy of prematurity: GHANAROP and SUNDROP.** *The British journal of ophthalmology*
Shah, S. V., Brant, A. R., Ahmed, A., Zhao, C., Braimah, I. Z., Tabin, G. C., Moshfeghi, D. M.
2026
- **Multi-site performance of the telemedicine retinopathy of prematurity severity score (tROP-SS).** *Acta ophthalmologica*
Shah, S. V., Brant, A. R., Zhao, C., Wood, E. H., Scarboro, S. D., Kumm, J., Moshfeghi, D. M.
2026
- **P-Score Variability as a Function of Retinopathy of Prematurity Severity.** *Investigative ophthalmology & visual science*
Shah, S. V., Brant, A. R., Zhao, C. S., Wang, S. K., Lin, J. B., Koo, E., Cakir, B., Deboer, C. M., Ahya, A., Wallace, H., Moshfeghi, D. M.
2026; 67 (2): 59
- **Foveal Identification and Development in Prematurity-Implications on Zone Localization and Nutritional Supplementation.** *Investigative ophthalmology & visual science*
Shah, S. V., Brant, A. R., Ahmed, A., Wireko Brobby, N. A., Zhao, C. S., Ahya, A., Tabin, G. C., Moshfeghi, D. M.
2025; 66 (11): 17
- **Mapping the retinal resistivity with electrical impedance tomography for modeling of retinal stimulation**
Shah, S., Goldstein, A., Chen, Z., Vasireddy, P., Bhuckory, M., Palanker, D. V.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Corticosteroids Versus Teprotumumab for the Treatment of Thyroid Eye Disease. Does Either Mitigate the Need for Additional Treatments?** *Thyroid : official journal of the American Thyroid Association*
Choi, S., Shah, S. V., Chandraparnik, P., Wai, K. M., Rahimy, E., Koo, E., Ludwig, C. A., Pakdel, F., Dosiou, C., Mruthyunjaya, P., Kossler, A. L.
2025
- **Birth Weight and Gestational Age Continue to Inform Retinopathy of Prematurity Risk.** *American journal of ophthalmology*
Zhao, C. S., Shah, S. V., Moshfeghi, D. M.
2025
- **Nonplus Retinopathy of Prematurity Detachment.** *Ophthalmology. Retina*
Shah, S. V., Brant, A. R., Moshfeghi, D. M.
2025
- **Technician and physician telemedicine-based screening programs cost-effectiveness analysis for retinopathy of prematurity in Ghana**
James, M., Shah, S. V., Takou, C., Brant, A., Brobby, N., Ahmed, A., Vail, D., Moshfeghi, D. M., Salomon, J., Goldhaber-Fiebert, J.
SAGE PUBLICATIONS INC.2025
- **Telescreening for Retinopathy of Prematurity after 40 Weeks Postmenstrual Age** *OPHTHALMOLOGY RETINA*
Raja, D., Zhao, C. S., V. Shah, S., Mohammadi, S., Brant, A. R., Moshfeghi, D. M.
2025; 9 (9): 921-923

- **Reply to Comment on Long-Term Retinopathy of Prematurity Outcomes with Mandated Screening Interval and Grader Continuity at a High-Volume Quaternary Center.** *American journal of ophthalmology*
Zhao, C. S., Brant, A. R., Shah, S. V., Wood, E. H., Koo, E., Antonini, R. E., Ortiz, K., Gaynon, M. W., Moshfeghi, D. M.
2025
- **Long-Term Retinopathy of Prematurity Outcomes with Mandated Screening Interval and Grader Continuity at a High-Volume Quaternary Center.** *American journal of ophthalmology*
Zhao, C. S., Brant, A. R., Shah, S. V., Wood, E. H., Koo, E., Antonini, R. E., Ortiz, K., Gaynon, M. W., Moshfeghi, D. M.
2025
- **Pseudo Iris Transillumination Defect** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Shah, S., Brant, A., Moshfeghi, D. M.
2025; 56 (7): 446-447
- **Retinopathy of Prematurity (ROP) in Kumasi, Ghana: A Telemedicine-Based Approach**
Sedhom, J., Shah, S., Ahmed, A., Brobby, N., Abrant, A., Tabin, G., Moshfeghi, D.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Sea Fan Size and Location in Stage 3 Proliferative Sickle Cell Retinopathy in a West African Cohort**
Abrant, A., Ahmed, A., Sedhom, J., Deslauriers, A., Shah, S., Tabin, G., Scott, A., Mruthyunjaya, P.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Cost-effectiveness of telemedicine-based screening programs for retinopathy of prematurity in Sub-Saharan Africa**
Shah, S., Brant, A., James, M. R., Takou, C., Ahmed, A., Brobby, N., Caddell, L., Chen, J., Chou, S., Moshfeghi, D.
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- **Telescreening for Retinopathy of Prematurity After 40 Weeks Postmenstrual Age.** *Ophthalmology. Retina*
Raja, D., Zhao, C. S., Shah, S. V., Mohammadi, S., Brant, A. R., Moshfeghi, D. M.
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- **Enhancing prosthetic vision by upgrade of a subretinal photovoltaic implant in situ.** *Nature communications*
Bhuckory, M. B., Monkongpitukkul, N., Shin, A., Kochnev Goldstein, A., Jensen, N., Shah, S. V., Pham-Howard, D., Butt, E., Dalal, R., Galambos, L., Mathieson, K., Kamins, T., Palanker, et al
2025; 16 (1): 2820
- **Sickle cell retinopathy among Ghanaian high school students: a school-based screening.** *BMJ global health*
Sedhom, J., Ahmed, A., DesLauriers, A., Ahmed, E. A., Ameyaw Baah, C., Ackah, P., Appiah-Berko, M. T., Appiagyei, M., Yeboah-Arhin, O., Shah, S., Pershing, S., Tabin, G. C., Mruthyunjaya, et al
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- **3D electronic implants in subretinal space: Long-term follow-up in rodents.** *Biomaterials*
Bhuckory, M. B., Wang, B. Y., Chen, Z. C., Shin, A., Pham-Howard, D., Shah, S., Monkongpitukkul, N., Galambos, L., Kamins, T., Mathieson, K., Palanker, D.
2024; 311: 122674
- **Enhancing Prosthetic Vision by Upgrade of a Subretinal Photovoltaic Implant in situ.** *bioRxiv : the preprint server for biology*
Bhuckory, M. B., Monkongpitukkul, N., Shin, A., Goldstein, A. K., Jensen, N., Shah, S. V., Pham-Howard, D., Butt, E., Dalal, R., Galambos, L., Mathieson, K., Kamins, T., Palanker, et al
2024
- **Three-dimensional electro-neural interfaces electroplated on subretinal prostheses.** *Journal of neural engineering*
Butt, E., Wang, B. Y., Shin, A., Chen, Z. C., Bhuckory, M., Shah, S., Galambos, L., Kamins, T., Palanker, D., Mathieson, K.
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