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List of Publications (2015-2020)

2020

- Dalan D, Nandini P, Angayarkanni N, Kaviarasan K, Thanikachalam S, Das UN, Ratra D. Interchangeability of retinal perfusion indices in different-sized angiocubes: An optical coherence tomography angiography study in diabetic retinopathy. Indian J Ophthalmol 2020; 68: 484-9.
- Ratra, D., Nagarajan, R., Dalan, D. et al. Early structural and functional neurovascular changes in the retina in the prediabetic stage. Eye (2020).
- Mani R, Shobha PS, Thilagavathi S, Prema P, Viswanathan N, Vineet R, et al. (2020) Altered mucins and aquaporins indicate dry eye outcome in patients undergoing Vitreo-retinal surgery. PLoS ONE 15(5): e0233517.

2019

- Raj, V., S. Charles, M. Ramasamy, L. Goenka, M. Kamatchi, M. George, J. Arockiaraj, V. E. Dhandapani, A. Narayanasamy & K. Mala (2019a) Cell cycle arrest in peripheral blood mononuclear cells: A non-invasive method for diagnosis of coronary artery disease. Process Biochemistry, 84, 153-160.
- Devi, S. R. B., K. Coral, K. Gayathree, M. Bharathselvi, S. Sivasankar, J. Biswas, P. Rishi, S. Natarajan, S. S. Badrinath & N. Angayarkanni (2019a) Case report on two diabetic donor eyes with no retinopathy: Clinicopathological and molecular studies. Indian Journal of Ophthalmology, 67, 1762.
- Kuppan, K., J. Mohanlal, A. M. Mohammad, K. A. Babu, P. Sen, N. Das Undurti, V. Natarajan & A. Narayanasamy (2019a) Elevated serum OxLDL is associated with progression of type 2 Diabetes Mellitus to diabetic retinopathy. Experimental Eye Research, 186.

- AnandBabu, K., P. Sen & N. Angayarkanni (2019a) Oxidized LDL, homocysteine, homocysteine thiolactone and advanced glycation end products act as pro-oxidant metabolites inducing cytokine release, macrophage infiltration and pro-angiogenic effect in ARPE-19 cells. Plos One, 14.
- Srividya, G., N. Angayarkanni, G. Iyer, B. Srinivasan & S. Agarwal (2019a) Altered retinoid metabolism gene expression in chronic Stevens-Johnson syndrome. British Journal of Ophthalmology, 103, 1015-1023.
- Srinivasan, V., S. Radhakrishnan, N. Angayarkanni & K. N. Sulochana (2019a) Antidiabetic effect of free amino acids supplementation in human visceral adipocytes through adiponectin-dependent mechanism. Indian Journal of Medical Research, 149, 41-46.

2018

- Rebecca, M., R. Gayathri, R. Bhuvanasundar, K. Sripriya, B. Shantha & N. Angayarkanni (2019a) Elastin modulation and modification by homocysteine: a key factor in the pathogenesis of Pseudoexfoliation syndrome? British Journal of Ophthalmology, 103, 985-992.
- Shanmuganathan, S. & N. Angayarkanni (2019a) Chebulagic acid and Chebulinic acid inhibit TGF-beta 1 induced fibrotic changes in the chorio-retinal endothelial cells by inhibiting ERK phosphorylation. Microvascular Research, 121, 14-23.
- Iyer, G., S. Agarwal, B. Srinivasan & A. Narayanasamy (2018a) Isolation of acid from eye drop bottles being used by patients presenting with presumed scleritis. Indian Journal of Ophthalmology, 66, 1084-1087.
- Shanmuganathan, S. & N. Angayarkanni (2018a) Chebulagic acid Chebulinic acid and Gallic acid, the active principles of Triphala, inhibit TNF alpha induced pro-angiogenic and pro-inflammatory activities in retinal capillary endothelial cells by inhibiting p38, ERK and NFkB phosphorylation. Vascular Pharmacology, 108, 23-35.
- Srividya, G., M. Jain, K. Mahalakshmi, S. Gayathri, R. Raman & N. Angayarkanni (2018) A novel and less invasive technique to assess cytokine profile of vitreous in patients of diabetic macular oedema. Eye, 32, 820-829.

2017

- Muralikumar, S., U. Vetrivel, A. Narayanasamy & U. N. Das (2017) Probing the intermolecular interactions of PPAR gamma-LBD with polyunsaturated fatty acids and

their anti-inflammatory metabolites to infer most potential binding moieties. Lipids in Health and Disease, 16.

- Gurumurthy, S., G. Iyer, B. Srinivasan, S. Agarwal & N. Angayarkanni (2018) Ocular surface cytokine profile in chronic Stevens-Johnson syndrome and its response to mucous membrane grafting for lid margin keratinisation. British Journal of Ophthalmology, 102, 169-176.
- Aluru, S. V., A. Shweta, S. Bhaskar, K. Geetha, R. M. Sivakumar, T. Utpal, P. Padmanabhan & N. Angayarkanni (2017) Tear Fluid Protein Changes in Dry Eye Syndrome Associated with Rheumatoid Arthritis: A Proteomic Approach. Ocular Surface, 15, 112-129.
- Shanmuganathan, S., V. N. Sumantran & N. Angayarkanni (2017) Epigallocatechin gallate & curcumin prevent transforming growth factor beta 1-induced epithelial to mesenchymal transition in ARPE-19 cells. Indian Journal of Medical Research, 146, 85-96.
- Bharathidevi, S. R., K. A. Babu, N. Jain, S. Muthukumaran, V. Umashankar, J. Biswas & N. Angayarkanni (2017) Ocular distribution of antioxidant enzyme paraoxonase & its alteration in cataractous lens & diabetic retina. Indian Journal of Medical Research, 145, 513-520.

2016

- Indhushree R, Monica R, Coral K, et al. Visual functions of workers exposed to organic solvents in petrochemical industries. Indian J Occup Environ Med. 2016;20(3):133-137.
- AnandBabu, K., S. R. Bharathidevi, S. Sripriya, P. Sen, V. J. Prakash, A. Bindu, N. Viswanathan & N. Angayarkanni (2016) Serum Paraoxonase activity in relation to lipid profile in Age-related Macular Degeneration patients. Experimental Eye Research, 152, 100-112.
- Gayathri, R., K. Coral, F. Sharmila, S. Sripriya, K. Sripriya, P. Manish, B. Shantha, G. Ronnie, L. Vijaya & A. Narayanasamy (2016) Correlation of Aqueous Humor Lysyl Oxidase Activity with TGF-beta Levels and LOXL1 Genotype in Pseudoexfoliation. Current Eye Research, 41, 1331-1338.

- Bharathselvi M, Biswas S, Raman R, et al. Homocysteine & its metabolite homocysteine-thiolactone & deficiency of copper in patients with age related macular degeneration - A pilot study. Indian J Med Res. 2016;143(6):756-762.

2015

- Kaviarasan, K., M. Jithu, M. A. Mulla, T. Sharma, S. Sivasankar, U. N. Das & N. Angayarkanni (2015) Low blood and vitreal BDNF, LXA(4) and altered Th1/Th2 cytokine balance are potential risk factors for diabetic retinopathy. Metabolism-Clinical and Experimental, 64, 958-966.
- Bharathi Devi SR, Coral K, Sulochana KN, Angayarkanni N Free Amino Acids Glycine and Glutamic Acid Inhibit Angiogenesis Induced by AGE in Bovine Retinal Endothelial Cells. J GlycomicsLipidomics, 2015; 5(2), 1-7.
- Sivasankar, S., R. Lavanya, P. Brindha & N. Angayarkanni (2015a) Aqueous and Alcoholic Extracts of Triphala and Their Active Compounds Chebulagic Acid and Chebulinic Acid Prevented Epithelial to Mesenchymal Transition in Retinal Pigment Epithelial Cells, by Inhibiting SMAD-3 Phosphorylation. Plos One, 10, 1-17.