

Alex Rothman: Selected Publications

Rothman, A.M.K., Vachieri, J-L., Howard, L. S., Mikhail, G. W., Lang, I. M., Jonas, M., Kiely, D. G., Shav, D., Shabtay, Or., Avriel, A., Lewis, G. D., Rosenzweig, E. B., Kirtane, A. J., Kim, N. H., Mahmud, E., McLaughlain, V. V., Chetcuti, S., Leon, M. B., Ben-Yehuda, O., Rubin, L. J. (2020) Intravascular ultrasound pulmonary artery denervation to treat pulmonary arterial hypertension(TROPHY1): a multicenter, early-feasibility study. *JACC Cardiovascular Interventions*.doi.org/10.1016/j.jcin.2019.12.027

Mullins, W., Sharif, F., DuPont, M., Rothman, A.M.K., Wijns, W. (2020) Digital Health Care Solution for Proactive Heart Failure Management: Results of the SIRONA First-in-Human Study. *European Journal of Heart Failure*. doi.org/10.1002/ejhf.1870

Rothman, A.M.K., MacFadyen, J., Thuren, T., Webb, A., Harrison, D. G., Guzik, T. J., Libby, P. Glynn, R. J., Ridker, P. M. (2020) Effects of interleukin-1beta inhibition on blood pressure, incident hypertension, and residual inflammatory risk: a secondary analysis of CANTOS. *Hypertension*. doi.org/10.1161/HYPERTENSIONAHA.119.13642

Lewis R. A., Johns C. R., Cogliano C., Capener D., Tubman E., Elliot C. A., Charalampopoulos A., Sabroe I., Thompson A. A. R., Billings C. G., Hamilton N., Baster K., Laud P. J., Hickey P. M., Middleton J., Armstrong I. J., Hurdman J. A., Lawrie A., Rothman, A.M.K., Wild J. M., Condliffe R., Swift A. J., Kiely D. J. (2020) Identification of cardiac MRI thresholds for risk stratification in pulmonary arterial hypertension. *Am J Respir Crit Care Med*. doi.org/10.1164/rccm.201909-1771OC

Sumaya, W., Parker, W.A.E., Judge, H.M., Hall, I.R., Orme, R.C., Adam, Z., Richardson, J.D., Rothman, A.M.K., Morgan, K.P., Gunn, J.P., Storey, R.F. (2020) Prolonged enoxaparin therapy compared with standard-of-care antithrombotic therapy in opiate-treated patients undergoing primary percutaneous coronary intervention. *Platelets*. doi.org/10.1080/09537104.2020.1779925

Arnold N. D., Pickworth J. A., West L. E., Dawson S., Carvalho J. A., Casbolt H., Braithwaite A. T., Iremonger J., Renshall L., Germaschewski V., McCourt M., Bland-Ward P., Kowash H., Hameed A. G., Rothman, A.M.K., Frid M. G., Thompson A. A. R., Evans H. R., Southwood M., Morrell N. W., Crossman D. C, Whyte M. K. B., Stenmark K. R., Newman C. M., Kiely D. G., Francis S. E., Lawrie A. (2019) A novel therapeutic antibody targeting osteoprotegerin attenuates severe experimental pulmonary arterial hypertension. *Nature Communications*. 10(1), 1-18. doi.org/10.1038/s41467-019-13139-9

Rothman A.M.K., Jonas M., Castel D., Tzafiriri A. R., Traxler H., Shav D., Leon M., Ben-Yehuda O., Rubin L. (2019) Pulmonary Artery Denervation Using Catheter-based Ultrasonic Energy. *EuroIntervention* Jaa-573 2019 doi.org/10.4244/EIJ-D-18-01082

Rothman A.M.K., Morton A. C. and Crossman D. (2018) Canakinumab for Atherosclerotic Disease: Major Adverse Cardiac Events Following Withdrawal of Interleukin-1 Targeted Therapies. *N Engl J Med* 2018; 378:196-200. DOI: 10.1056/NEJMc1714635

Swift A.J., Capener D., Johns C., Hamilton N., Rothman A., Elliot C., Condliffe R., Charalampopoulos A., Rajaram S., Lawrie A., Campbell M.J., Wild J.M., Kiely D.G. (2017) Magnetic Resonance Imaging in the Prognostic Evaluation of Patients with Pulmonary Arterial Hypertension. *Am J Respir Crit Care Med*. 2017 15;196(2):228-239. DOI:10.1164/rccm.201611-2365OC

Rothman A.M.K., Arnold D., Pickworth J. A., Iremonger J, Ciucan L., Allen R., Guth-Gundel S., Southwood M., Morrell N. W., Thomas M., Francis S. F., Rowlands D. J., Lawrie A (2016). MicroRNA-140-5p and SMURF1 Regulate Pulmonary Arterial Hypertension. *J. Clin Invest*. 2016;126(7):2495-2508. doi:10.1172/JCI83361

Rothman, A.M.K*, Morton, A. C*, Greenwood, J. P, Gunn, J., Chase, A., Clarke, B., Hall A. S., Fox K. A., Foley C., Banya W., Wang D., Flather M. D., Crossman D. C. (2015). The effect of interleukin-1 receptor antagonist therapy on markers of inflammation in non-ST elevation acute coronary syndromes: the MRC-ILA Heart Study. *European Heart Journal*, 36(6), 377–384. *Authors contributed equally. DOI:10.1093/eurheartj/ehu272, PMID: 25079365