

Papworth Publications - January 2023

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Welcome to our newly improved current awareness bulletin showcasing publications from Royal Papworth authors over the last month.

Anaesthesia and Critical Care

Aston, D., M. Besser, et al. (2022). "Whole-blood Point-of-Care Activated Partial Thromboplastin Time Ratio (APR) is not Accurate Enough to Monitor Heparin Therapy in Patients with Severe Respiratory Failure Secondary to SARS-Cov-2 Infection Supported with Veno-Venous Extracorporeal Membrane Oxygenation (VV-ECMO)." *Clin Appl Thromb Hemost* **28**: 10760296221148162. DOI:

<https://dx.doi.org/10.1177/10760296221148162>.

Ferrando-Vivas, P., M. Shankar-Hari, et al. (2022). "Improving risk prediction model quality in the critically ill: data linkage study." *Health and Social Care Delivery Research*

10(39). DOI: <https://dx.doi.org/10.3310/EQAB4594>.

Fleig, M., T. Muller, et al. (2023). "Extracorporeal life support provision in COVID-19 patients - An international EuroELSO 2022 update survey." *Perfusion*: 2676591221151034.

DOI: <https://dx.doi.org/10.1177/02676591221151034>.

Keady, T., O. L. Nordrum, et al. (2023). "Annual greenhouse gas emissions from inhaled anaesthetic agents in the Republic of Ireland." *British Journal of Anaesthesia* **130**(1): e13 EP - e16. DOI: <https://dx.doi.org/10.1016/j.bja.2022.09.019>.

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Cardiology & Cardiovascular Medicine

Abraham, G. R. and A. P. Davenport (2023). "From ABCD to E for endothelin in resistant hypertension." *Cell* **186**(2): 240-242. DOI: <https://dx.doi.org/10.1016/j.cell.2022.12.014>.

Anderson, R. H., M. Garbi, et al. (2022). "Anatomy of the mitral valve relative to controversies concerning the so-called annular disjunction." *Heart*. DOI: <https://dx.doi.org/10.1136/heartjnl-2022-322043>.

Hascoet, S., G. Smolka, et al. (2023). "Procedural Tools and Technics for Transcatheter Paravalvular Leak Closure: Lessons from a Decade of Experience." *J Clin Med* **12**(1). DOI: <https://dx.doi.org/10.3390/jcm12010119>.

Perino, A. C., P. J. Wang, et al. (2023). "Worldwide survey on implantation of and outcomes for conduction system pacing with His bundle and left bundle branch area pacing leads." *J Interv Card Electrophysiol*: 1-12. DOI: <https://dx.doi.org/10.1007/s10840-022-01417-4>.

Takigawa, M., C. A. Martin, et al. (2023). "Demonstration of the discrepancy between AT-wave morphology on 12-lead ECG and AT mechanism in scar-related AT." *Pacing Clin Electrophysiol*. DOI: <https://dx.doi.org/10.1111/pace.14665>.

Wetscherek, M. T. A., E. McNaughton, et al. (2023). "Incidental coronary artery calcification on non-gated CT thorax correlates with risk of cardiovascular events and death." *Eur Radiol*: 1-11. DOI: <https://dx.doi.org/10.1007/s00330-023-09428-z>.

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COVID-19

Kousathanas, A., E. Pairo-Castineira, et al. (2022). "Whole-genome sequencing reveals host factors underlying critical COVID-19." *Nature* **607**(7917): 97 EP - 103. DOI: <https://dx.doi.org/10.1038/s41586-022-04576-6>.

Nepomuceno, R., M. I. Malik, et al. (2023). "Anticoagulation strategies and outcomes during extracorporeal membrane oxygenation support: a single-centre pre-COVID-19 experience." *Can J Anaesth*: 1-3. DOI: <https://dx.doi.org/10.1007/s12630-022-02386-y>.

Schmidt, M., D. Hajage, et al. (2023). "Comparative outcomes of extracorporeal membrane oxygenation for COVID-19 delivered in experienced European centres during successive SARS-CoV-2 variant outbreaks (ECMO-SURGES): an international, multicentre, retrospective cohort study." *Lancet Respir Med* **11**(2): 163-175. DOI: [https://dx.doi.org/10.1016/S2213-2600\(22\)00438-6](https://dx.doi.org/10.1016/S2213-2600(22)00438-6).

Microbiology

Liang, S. and T. L. Blundell (2023). "Human DNA-dependent protein kinase activation mechanism." *Nat Struct Mol Biol* **30**(2): 140-147. DOI: <https://dx.doi.org/10.1038/s41594-022-00881-w>.

Micallef, C., D. A. Enoch, et al. (2023). "The role of hospital antimicrobial and infectious diseases pharmacists in the UK: a theoretically underpinned exploration." *JAC Antimicrob Resist* **5**(1): dlac136. DOI: <https://dx.doi.org/10.1093/jacamr/dlac136>.



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NICE Guidelines

Wood, G., J. Neilson, et al. (2023). "Osteoarthritis in people over 16: diagnosis and management-updated summary of NICE guidance." *BMJ* **380**: 24. DOI: <https://dx.doi.org/10.1136/bmj.p24>.

Oncology

Barnett, S. E., J. Kenyani, et al. (2023). "BAP1 loss is associated with higher ASS1 expression in epithelioid mesothelioma: implications for therapeutic stratification." Mol Cancer Res. DOI: <https://dx.doi.org/10.1158/1541-7786.Mcr-22-0635>.

Imaging

Ćorović, A., C. Wall, et al. (2023). "Somatostatin Receptor PET/MR Imaging of Inflammation in Patients With Large Vessel Vasculitis and Atherosclerosis." J Am Coll Cardiol **81**(4): 336-354. DOI: <https://dx.doi.org/10.1016/j.jacc.2022.10.034>.

Ćorović, A., D. Gopalan, et al. (2023). "Novel Approach for Assessing Postinfarct Myocardial Injury and Inflammation Using Hybrid Somatostatin Receptor Positron Emission Tomography/Magnetic Resonance Imaging." Circ Cardiovasc Imaging **16**(1): e014538. DOI: <https://dx.doi.org/10.1161/circimaging.122.014538>

Given-Wilson, R., N. Screatton, et al. (2023). "Incidental imaging findings from head to toe: challenges and management: introductory editorial." Br J Radiol **96**(1142): 20239002. DOI: <https://dx.doi.org/10.1259/bjr.20239002>.

Martin, W. G., E. McNaughton, et al. (2023). "Interobserver Variability Between Expert, Experienced, and Novice Operator Affects Interpretation of Optical Coherence Tomography and 20 MHz Intravascular Ultrasound Imaging." Cardiovasc Revasc Med **47**: 33-39. DOI: <https://dx.doi.org/10.1016/j.carrev.2022.09.021>.

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Respiratory Medicine

- Bashford, J., W. Flowers, et al. (2023). "Evaluation of a novel ELISA test using synthetic mycolic acid antigens for serodiagnosis of non-tuberculous mycobacterial (NTM) infections." Thorax **78**(3): 309-312. DOI: <https://dx.doi.org/10.1136/thorax-2022-218800>.
- Caley, L. R., H. White, et al. (2023). "Cystic Fibrosis-Related Gut Dysbiosis: A Systematic Review." Dig Dis Sci. DOI: <https://dx.doi.org/10.1007/s10620-022-07812-1>.
- Hadinnapola, C. M., M. Southwood, et al. (2022). "Angiopoietin 2 and hsCRP are associated with pulmonary hemodynamics and long-term mortality respectively in CTEPH-Results from a prospective discovery and validation biomarker study." J Heart Lung Transplant. DOI: <https://dx.doi.org/10.1016/j.healun.2022.08.021>.
- Humbert, M., G. Kovacs, et al. (2022). "2022 ESC/ERS Guidelines for the diagnosis and treatment of pulmonary hypertension." Eur Heart J **43**(38): 3618-3731 DOI: <https://dx.doi.org/10.1093/eurheartj/ehac237>.
- Humbert, M., G. Kovacs, et al. (2023). "2022 ESC/ERS Guidelines for the diagnosis and treatment of pulmonary hypertension." The European respiratory journal **61**(1). DOI: <https://dx.doi.org/10.1183/13993003.00879-2022>.
- Mahdi, N., I. Nadeem, et al. (2023). "Pulmonary hypertension due to pulmonary embolism secondary to COVID-19: A district general hospital experience from the UK." J R Coll Physicians Edinb: 14782715231152677. DOI: <https://dx.doi.org/10.1177/14782715231152677>.
- Peljto, A. L., R. Z. Blumhagen, et al. (2023). "Idiopathic Pulmonary Fibrosis Is Associated with Common Genetic Variants and Limited Rare Variants." Am J Respir Crit Care Med. DOI: <https://dx.doi.org/10.1164/rccm.202207-1331OC>.
- Raman, L., I. Stewart, et al. (2022). "Nintedanib for progressive pulmonary fibrosis: 12-month outcome data from a multicentre observational study." Irish Journal of Medical Science **191**(Supplement 5): S139. DOI: <https://dx.doi.org/10.1007/s11845-022-03209-1>.
- Rodgers, M. S., L. C. Kirkby, et al. (2022). "Acute lung injury after balloon pulmonary angioplasty results in a similar haemodynamic response and possible clinical advantage at follow-up." Pulm Circ **12**(4): e12166. DOI: <https://dx.doi.org/10.1002/pul2.12166>.
- Smits, B., S. Goldacker, et al. (2022). "The efficacy and safety of systemic corticosteroids as first line treatment for granulomatous lymphocytic interstitial lung disease." J Allergy Clin Immunol. DOI: <https://dx.doi.org/10.1016/j.jaci.2022.12.813>.

Surgery

Nashef, S. A. M. and L. D. Sharples (2022). "Reply to García-Villarreal et al." [Eur J Cardiothorac Surg](#) **63**(1). DOI: <https://dx.doi.org/10.1093/ejcts/ezac586>.

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