

Role of coronary angiogram before transcatheter aortic valve implantation

Benjamin Beska,^{1,2} Divya Manoharan,¹ Ashfaq Mohammaed,¹ Rajiv Das^{1,3}, Richard Edwards¹, Azfar Zaman^{1,4}, Mohammad Alkhalil^{1,4}

¹Cardiothoracic Centre, Freeman Hospital, Newcastle-upon-Tyne, UK

²Translational and Clinical Research Institute, Newcastle University, Newcastle upon Tyne, United Kingdom

³Northumbria University, Newcastle-upon-Tyne, UK

⁴Vascular Biology, Newcastle University, Newcastle-upon-Tyne, UK

Corresponding author: Dr Mohammad Alkhalil, Department of Cardiothoracic Services, Freeman Hospital, Freeman Road, Newcastle-upon-Tyne NE7 7DN, United Kingdom

The statistical analyses were performed by the senior co-author who has extensive experience in statistical methods