

LIST OF PUBLICATIONS

- 1** **Begieneman MPV**, Rijvers L, Leen R, van Kuilenberg ABP, Stap J, Kubat B, Musters RJP, Pankras JE, Fritz J, Niessen HWM, Krijnen PAJ: Dopamine induces lipid accumulation, NADPH oxidase-related oxidative stress and a pro-inflammatory status of the plasma membrane in H9C2 cells.
Submitted for publication.
- 2** Koning NJ, de Lange F, Vonk ABA, Shelep I, Ahmed Y, van den Brom CE, Bogaards S, Meurs M, Jongman R, **Begieneman MPV**, Niessen HWM, Baufreton C, Boer C: Impaired microcirculatory perfusion in a rat model of cardiopulmonary bypass: the role of hemodilution.
Submitted for publication.
- 3** **Begieneman MPV**, Emmens RW, Paulus WJ, Kubat B, Vonk ABA, van Rossum AC, Wouters D, Zeerleder S, van Ham M, Schalkwijk CG, Niessen HWM, Krijnen PAJ: Myocardial infarction induces atrial inflammation that can be prevented by C1-esterase inhibitor.
Submitted for publication.
- 4** **Begieneman MPV**, Emmens RW, Rijvers L, Kubat B, Paulus WJ, Rozendaal L, Wouters D, Zeerleder S, van Ham M, Heymans S, van Rossum AC, Niessen HWM, Krijnen PAJ: Ventricular myocarditis coincides with atrial myocarditis in humans.
Submitted for publication.
- 5** van der Bilt IAC, Vendeville JP, van de Hoef TP, **Begieneman MPV**, Lagrand WK, Kros JM, Wilde AAM, Rinkel GJE, Niessen HWM: Myocarditis in patients with subarachnoid hemorrhage: a histopathological study.
Submitted for publication.
- 6** Groeneveld ME, van Burink M, **Begieneman MPV**, Niessen HWM, Wisselink W, Eringa EC, Yeung KK: Activation of Extracellular signal-Related Kinase in abdominal aortic aneurysms: associations with rupture and vessel wall characteristics.
Submitted for publication.
- 7** **Begieneman MPV**, Rijvers L, Kubat B, Paulus WJ, Vonk ABA, van Rossum AC, Schalkwijk CG, Stooker W, Niessen HWM, Krijnen PAJ: Atrial fibrillation coincides with the advanced glycation endproduct N^ε-(carboxymethyl)lysine in the atrium.
The American Journal of Pathology. **2015**;185:2096-2104

- 8** Fronczek J, Lulf R, Korkmaz HI, Witte BI, van de Goot FRW, **Begieneman MPV**, Krijnen PAJ, Rozendaal R, Niessen HWM, Reijnders UJL: Analysis of morphological characteristics and expression levels of extracellular matrix proteins in skin wounds to determine wound age in living subjects in forensic medicine.
Forensic Science International. **2015**;246:86-91
- 9** Fronczek J, Lulf R, Korkmaz HI, Witte BI, van de Goot FRW, **Begieneman MPV**, Schalkwijk CG, Krijnen PAJ, Rozendaal R, Niessen HWM, Reijnders UJL: Analysis of inflammatory cells and mediators in skin wound biopsies to determine wound age in living subjects in forensic medicine.
Forensic Science International **2015**;247:7-13.
- 10** van de Goot FRW, Korkmaz HI, Fronczek J, Witte BI, Visser R, Ulrich MM, **Begieneman MPV**, Rozendaal L, Krijnen PAJ, Niessen HWM: A new method to determine wound age in early vital skin injuries: A probability scoring system using expression levels of Fibronectin, CD62p and Factor VIII in wound hemorrhage.
Forensic Science International. **2014**;244C:128-135.
- 11** Kuiper JW, Groeneveld AB, Haitsma JJ, Smeding L, **Begieneman MPV**, Jothy S, Vaschetto R, Plötz FB: Injurious mechanical ventilation causes kidney apoptosis and dysfunction during sepsis but not after intra-tracheal acid instillation: an experimental study.
BMC Nephrology. **2014**;15:126.
- 12** van der Laan AM, Ter Horst EN, Delewi R, **Begieneman MPV**, Krijnen PAJ, Hirsch A, Lavaei M, Nahrendorf M, Horrevoets AJ, Niessen HWM, Piek JJ: Monocyte subset accumulation in the human heart following acute myocardial infarction and the role of the spleen as monocyte reservoir.
European Heart Journal. **2014**;35:376-85.
- 13** van de Goot FRW, **Begieneman MPV**, Groen MWJ, Gerretsen RRR, van Erp MAJJ, Niessen HWM: Moisture Inhibits the Decomposition Process of Tissue Buried in Sea Sand: A Forensic Case Related Study.
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- 14** van Heerebeek L, Hamdani N, Falcão-Pires I, Leite-Moreira AF, **Begieneman MPV**, Bronzwaer JG, van der Velden J, Stienen GJ, Laarman GJ, Somsen A, Verheugt FW, Niessen HWM, Paulus WJ: Low myocardial protein kinase G activity in heart failure with preserved ejection fraction.
Circulation. **2012**;126:830-9.
- 15** **Begieneman MPV**, Kubat B, Ulrich MM, Hahn NE, Stumpf-Stolker Y, Tempelaars M, Middelkoop E, Zeerleder S, Wouters D, van Ham MS, Niessen HWM, Krijnen PAJ: Prolonged C1 inhibitor administration improves local healing of burn wounds and reduces myocardial inflammation in a rat burn wound model.
Journal of Burn Care & Research. **2012**;33:544-51
- 16** Lee WW, Marinelli B, van der Laan AM, Sena BF, Gorbatov R, Leuschner F, Dutta P, Iwamoto Y, Ueno T, **Begieneman MPV**, Niessen HWM, Piek JJ, Vinegoni C, Pittet MJ, Swirski FK, Tawakol A, Di Carli M, Weissleder R, Nahrendorf M: PET/MRI of inflammation in myocardial infarction.
Journal of the American College of Cardiology. **2012**;59:153-63.
- 17** **Begieneman MPV**, van de Goot FR, Fritz J, Rozendaal R, Krijnen PAJ, Niessen HWM: Validation of ultrastructural analysis of mitochondrial deposits in cardiomyocytes as a method of detecting early acute myocardial infarction in humans.
Journal of Forensic Science. **2010**;55:988-92.
- 18** Falcão-Pires I, Gonçalves N, Moura C, Lamego I, Eloy C, Lopes JM, **Begieneman MPV**, Niessen HWM, Areias JC, Leite-Moreira AF: Effects of diabetes mellitus, pressure-overload and their association on myocardial structure and function.
American Journal of Hypertension. **2009**;22:1190-8.
- 19** **Begieneman MPV**, van de Goot FR, Krijnen PAJ, Fritz J, Paulus WJ, Spreeuwenberg MD, van Hinsbergh VW, Niessen HWM: The basement membrane of intramyocardial capillaries is thickened in patients with acute myocardial infarction.
Journal of Vascular Research. **2010**;47:54-60.
- 20** van de Goot F, Krijnen PAJ, **Begieneman MPV**, Ulrich MM, Middelkoop E, Niessen HWM: Acute inflammation is persistent locally in burn wounds: a pivotal role for complement and C-reactive protein.
Journal of Burn Care & Research. **2009**;30:274-80.

- 21** **Begieneman MPV**, van de Goot FR, van der Bilt IA, Vonk Noordegraaf A, Spreeuwenberg MD, Paulus WJ, van Hinsbergh VW, Visser FC, Niessen HWM: Pulmonary embolism causes endomyocarditis in the human heart. *Heart*. **2008**;94:450-6.
- 22** Smeets B, Te Loeke NA, Dijkman HB, Steenbergen ML, Lensen JF, **Begieneman MPV**, van Kuppevelt TH, Wetzels JF, Steenbergen EJ: The parietal epithelial cell: a key player in the pathogenesis of focal segmental glomerulosclerosis in Thy-1.1 transgenic mice. *Journal of the American Society of Nephrology*. **2004**;15:928-39.