

DAFTAR PUSTAKA

- Bell, Han R, 2015, 'Regulation of apoptotic and inflammatory cell signaling in cerebral ischemia - the complex roles of Heat Shock Protein 70', *Exp Neurol*, pp 26-40
- Beyersdorf F, 2009, 'The use of controlled reperfusion strategies by using Hsp evaluation in cardiac surgery to minimize ischemia/ reperfusion damage', *Cardio vasc Res*, vol8, pp262-268.
- Biedrzycka A, Kowalik M, Pawlaczyk R, Jagielak D, Swietlik D, Szymanowicz W, , 2016, 'Aortic crossRclamping phase of cardiopulmonary bypass related to decreased microvascularreactivityaftershort-term ischaemiaof the thenarm muscle both under intravenous and volatile anaesthesia: a randomized trial', *Interact Cardiovasc Thorac Surgery*, vol 23, pp 770-778.
- Bove T, Monaco F, Covello RD, Zangrillo A, 2009, 'Acute Renal Failure and Cardiac Surgery', *HSR Proceedings in Intensive Care & Cardiovascular Anesthesia*, vol 1, pp 13-21.
- Calafiore AM, DiMauro M, Teodori G, DiGiammarco G, Cirmeni S, Contini M, , 2002, 'Impact of Aortic Manipulation on Incidence of Cerebrovascular Accidents After Surgical Myocardial Revascularization', *Ann Thorac Surg*. vol 73, pp 1387-1393.
- Carlos, C, 2009, 'Reactive oxygen species: training, function and oxidative stress', *Med, leg. Costa Rica journal*, vol 36, pp 91-110.
- Carmona M, Vane M, Malbouisson L, 2012, 'Perioperative Organ Protection in Cardiac Surgery', Sao Paulo, IntechOne.
- Collard CD, Gelman S, 2001, 'Pathophysiology, Clinical Manifestations, and prevention of Ischemia Reperfusion Injury', *Anesthesiology*, vol 94, pp1133-1138.
- Dabrowski W, Rzecki Z, Pilat J, Czajkowski M, 2012, 'Brain Damage in Cardiac Sugery Patients', *Current Opinion in Pharmacology*, vol 12, pp 189-194.
- DiNardo, JA, Zvara DA, 2001, *Anesthesia for Cardiac Surgery*, 3th ed, London: Blackwell Publishing.
- Doenst T, Borger MA, Weisel RD, Yau TM, Maganti M, Rao V, 2008, 'Relation between aortic crossRclamp time and mortality not as straightforward as

- expected' *European Journal of Cardiothorac Surgery*, vol 33, pp 660-665.
- Donnahoo KK, Shames BD, Harken AH, Meldrum DR, 1999, 'Review Article: The Role of Tumor Necrosis Factor In Renal Ischemia-Reperfusion Injury'. *Journal of Urology*, vol 162, pp196-203.
- Dukhi, A, 2011, 'Myocardial Protection During Cardiac Surgery', Kwazulu-Natal: Department of Anaesthetics University Of Kwazulu-Natal.
- Duran WN, 2008, 'The double-edge sword of TNF-alpha in ischemia-reperfusion injury', *Am J Physiol Heart Circ Physiol*, vol 295, pp2221-2222.
- Durukan AB, Gurbuz AH, Tavlasoglu M, Ucar IH, Yorgancioglu C, 2015, 'Beating Heart Mitral Valve Replacement Surgery without Aortic Cross-Clamping via Right Thoracotomy in a Patient with Compromised Left Ventricular Functions', *J Tehran Heart Cent*. vol 10, pp 43–45.
- Dybdahl, Hampton, 2014, 'Hsp 70.1 and -70.3 are required for late-phase protection induced by ischemic preconditioning of mouse hearts', *Am J Physiol Heart*, p74.
- Endargo Prasad, 2013, 'Myocardial dysfunction and oxidative stress impairment', *British Journal of cardiology*, p45-50.
- Gaines GC, Welborn MB, Moldawer LL, Huber TS, Harward TR, Seeger JM, 1999, 'Attenuation of skeletal muscle ischemia/reperfusion injury by inhibition of tumor necrosis factor', *Journal of Vascular Surgery*, vol 29, pp 371-375.
- Gao X, Xu X, Belmadani S, Park Y, Tang Z, Feldman AM, , 2007, 'TNF-alpha Contributes to Endothelial Dysfunction by Upregulating Arginase in Ischemia/Reperfusion Injury', *Arterioscler Thromb Vasc Biology*, vol 27, pp 1269-1275.
- Garcia-de-la-Asuncion J, Pastor E, Perez-Griera J, Belda FJ, Moreno T, Garcia-del-Olmo E, ,2013, 'Oxidative stress injury after onRpump cardiac surgery: Effects of aortic cross clamp time and type of surgery', *Redox Report*, vol 18, pp193-199.
- Gersak B, Sutlic Z, 2002, 'Aortic and Mitral Valve Surgery on the Beating Heart is Lowering Cardiopulmonary Bypass and Aortic Cross Clamp Time', *Heart Surg Forum*, vol 5, pp 182-186.
- Gracia S, Martinez JO, Hernandez MA, Valdes KV, Fransisco, 2001, 'Magnesium Sulphate Before Aortic Cross-Clamping, Useful For Myocardial Protection ?', *Journal Cardiologia of Hospital Universitario*.

- Grogan K, Stearns J, Hogue CW, 2008, 'Brain Protection in Cardiac Surgery', *AnesthesiolClin.*, vol 26, pp521-538.
- Guanhong Li Y, Yu Q, Yang Q, Li B, Sun L, , 2015, 'TNF-alpha antagonism ameliorates myocardial ischemia-reperfusion injury in mice by upregulating adiponectin', *Am J Physiol Heart Circ Physiol*, vol 308, pp 1583-1591.
- Gurevitch J, Frolkis I, Yuhas Y, Paz Y, Matsa M, Mohr R, ,1996, 'Tumor Necrosis Factor Alpha is Released From the Isolated Heart Undergoing Ischemia and Reperfusion', *Journal of American Coll Cardiology*,vol 28, pp 247-252.
- Hausenloy DJ, Yellon DM, 2013, 'Myocardial ischemia-reperfusion injury: a neglected therapeutic target', *The Journal of Clinical Investigation*, vol 123, pp 92-100.
- Hool LC, 2007, 'What cardiologist should know about calcium ion channels and their regulation by reactive oxygen species', *Heart Lung Circ*, vol 16, pp 361-367
- Kaplan JA, Reich DL, Savino JS, 2011, *Kaplan's Cardiac Anesthesia: The Echo Era*, 6th Edition, Philadelphia: Saunders Publishing.
- Kimura, Souza DG, Teixeira MM, 2002, 'The balance between the production of tumor necrosis factor α and interleukin-10 determines tissue injury and lethality during intestinal ischemia and reperfusion', *Mem Inst Oswaldo Cruz*, vol 100,pp 59-66.
- Kin H, Zatta AJ, 2005, 'Postconditioning reduces infarct size via second messenger after cross clamping', *Cardiovasc Res.*, vol 67, pp 124–133.
- Luyten CR, 2005, 'Antioxidant defence during cardiopulmonary bypass surgery', *European Journal of Cardio-Thoracic Surgery*, pp611-616.
- Meldrum DR, Cleveland JC, Cain BS, Meng X, Harken AH, 1997, 'Increased Myocardial Tumor Necrosis Factor Alpha in Crystalloid-Perfused Model of Cardiac Ischemia/Reperfusion Injury', *Ann Thorac Surg.*,vol 65,pp 439-443.
- Mizuno, Wang Y, Chen Y, Cao F, 2013, 'The role of the autophagy in myocardial ischemia/reperfusion injury', *Biochimica et Biophysica Acta.* vol 1852, pp 271-276.
- Morimoto, Shresta, 2005, Heat Shock Protein (HSP) drug discovery and

development; targeting heat shock proteins in disease. Current topics in medicinal chemistry, pp 16.

- Nael AS, Thalib L, Hughes A, Houlihan M, Tolan M, Young V, , 2011, 'Cross-clamp time is an independent predictor of mortality and morbidity in lowR and high-risk cardiac patients, *Int J Surg.*, vol 9, pp 104-109.
- Paarmann H, Charitos EI, Beilharz A, Heinze H, Schon J, Berggreen A, , 2013, 'Duration of cardiopulmonary bypass is an important confounder when using biomarkers for early diagnosis of acute kidney injury in cardiac surgical patients', *Applied Cardiopulmonary Pathophysiology*, vol 17, pp 284-297.
- Scott T, Swanevelder J, 2009, 'Perioperative Myocardial Protection', *Contin Educ Anaesth Crit Care Pain*, vol 9, pp 97–101.
- Shultz B, Timek T, Davis AT, Heiser J, Murphy E, Willekes C, 2016, 'Outcomes in patients undergoing complex cardiac repairs with cross clamp times over 300 minutes', *Journal of Cardiothoracic Surgery*, vol 11, pp 105.
- Staib, Tumer, 2009, 'Increased Temperature and Protein Oxidation Signal HSP72 mRNA and Protein Accumulation in the In Vivo Exercised Rat Heart', *Exp Physiol*, pp 71-80.
- SubramaniamK, ParkKW, 2013, *Anesthesia and Perioperative Care for Aortic Surgery*. New York: Springer, pp 147–148.
- Tsuchida M, Watanabe H, Watanabe T, Hirahara H, Haga M, Ohzeki H, 1997, 'Effect of Cardiopulmonary Bypass on Cytokine Release and Adhesion Molecule Expression in Alveolar Macrophages', *Am J Respir Crit Care Med*. vol 156, pp 932-938.
- Turer AT, Hill JA, 2010, 'Pathogenesis of Cross Clamping Aorta, Ischemia-Reperfusion Injury and Rationale for Therapy', *Am J Cardiol*. vol 106, pp 360–368.
- Turer AT, Hill JA, 2010, 'Pathogenesis of Myocardial Ischemia-Reperfusion Injury and Rationale for Therapy', *Am J Cardiol*. vol 106, pp 360-368.
- Verma S, Fedak PWM, Weisel RD, Butany J, Rao V, Maitland A, 2002, 'Fundamentals of Reperfusion Injury for the Clinical Cardiologist', *Circulation*, vol 105, pp 2332-2336.
- Wang y, Kawamura N, Shcmeizer JD, Schmeichel AM, Low PA, 2008, 'Decreased peripheral nerve damage after ischemia–reperfusion injury in mice lacking TNFR alpha', *Journal of the Neurological Sciences*, vol 267, pp 107-111.
- Z. Chen, Han Y, 2013, 'Oxidative stress induces mitochondrial DNA Damage and

cytotoxicity through independent mechanisms in Human Cancer cells',
BioMed Research International, pp 8.

Zhang C, Xu X, Potter BJ, Wang W, Kuo L, Michael L, 2006, 'TNF-alpha Contributes
to Endothelial Dysfunction in Ischemia/Reperfusion Injury', *Arterioscler
Thromb Vasc Biology*, vol 26, pp475-480