





a cohort of 3,269 CABG patients. *Minerva Anesthesiol*, 73:615–21

Cooper, Jr., Giesecke, NM. 2000. Hemodilution and Priming Solution. In: Gravlee GP *et al.*, editors. *Cardiopulmonary bypass Principles and Practice*. 2<sup>nd</sup> ed. Philadelphia Lipincott Williams and Wilkins.

Davies, J., Shelledy, D., Peters, J., Proud K., 2020. *Mechanical Ventilation*. 1<sup>st</sup> ed. Burlington: Jones & Barlett Learning, pp.389-807

Davies, L. K. 2000. Physiology and Clinical Use In: Gravlee GP *et al*, editors. *Cardiopulmonary bypass Principles and Practice*. 2<sup>nd</sup>ed. Philadelphia Lippincott Wiliams and Wilkins.

Di Dedda, U., Pelissero, G., Agnelli, B., De Vincentiis, C., Castelvecchio, S., Ranucci, M., 2013. Accuracy, calibration and clinical performance of the new EuroSCORE II risk stratification system. *Eur. J. Cardiothorac. Surg.* 43, 27–32. <https://doi.org/10.1093/ejcts/ezs196>

Elsayad, M., Manaa, A., Elwakeel, A., Nasr, S., Sameh, M., Abdelfatah, E.M., 2014. EuroSCORE II as a Predictor of Need For Prolonged Mechanical Ventilation Following Valvular Heart Surgery in Egyptian Patients. *The Egyptian Society of Cardio-Thoracic Surgery*. 22, 1.

Esper, S., Subramaniam, K. and Tanaka, K., 2014. Pathophysiology of Cardiopulmonary Bypass. *Seminars in Cardiothoracic and Vascular Anesthesia*, 18(2), pp.161-176.



<<http://www.euroscore.org/calc.html>> [Accessed 20 April 2021].

Fiedler, A. and Tolis, G., 2018. Surgical Treatment of Valvular Heart Disease: Overview of Mechanical and Tissue Prostheses, Advantages, Disadvantages, and Implications for Clinical Use. *Current Treatment Options in Cardiovascular Medicine*, 20(1).

Flegler, S., Paro, FM., 2015. Factors associated with intubation time and icu stay after CABG. *Braz J Cardiovasc Surg.*, 30(6), pp. 631-5.

Goeddel, L., Jung, Y., Patel, P., Upchurch, P., Fernando, R. and Ramakrishna, H., 2020. Analysis of the 2018 American Heart Association/American College of Cardiology Guidelines for the Management of Adults With Congenital Heart Disease: Implications for the Cardiovascular Anesthesiologist. *Journal of Cardiothoracic and Vascular Anesthesia*, 34(5), pp.1348-1365.

Gravlee GP, Davis RF, Hammon JW, Kussman BD. 2016 Cardiopulmonary Bypass and Mechanical Support, *Principles and Practice*. Fourth Edition, 2:38-155.

Hessel EA, 2008. Circuitry and cannulation techniques. In: Gravlee GP, Davis RF, Stammers AH, et al., *Cardipulmonary Bypass: Principles and Practice*. 3<sup>rd</sup> ed. Philadelphia, PA: Lippincott Williams & Wilkins.

Hessel, E.A. and Ghansah, J.N. 2008. Pathophysiology of Cardiopulmonary Bypass. *Practical Approach of Cardiac Anesthesia*. 4<sup>th</sup> ed. Lippincott Wiliams and Wilkins.



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WAHYU SURYASAPUTRA, dr. Bhirowo Yudho Pratomo, Sp.An, KAKV.; dr. Juni Kurniawaty, Sp.An, KAKV, M.Sc.  
Hornick, P. and Taylor, K. M. 2000. Immune and Inflammatory Response After Cardiopulmonary

Bypass. In: Gravlee *GP et al*, editors. *Cardiopulmonary bypass Principles and Practice*. 2<sup>nd</sup>ed. Philadelphia Lippincott Williams and Wilkins.

Ji Q, Duan Q, Wang X, Cai J, Zhou Y, Feng J, et al. Risk factors for ventilator dependency following coronary artery bypass grafting. *Int J Med Sci*. 2012;9(4):306-10. doi:10.7150/ijms.4340.

Kaplan, J., Augoustides, J., Manecke, G., Maus, T. and Reich, D., 2017. *Kaplan's Cardiac Anesthesia*. 7th ed. Philadelphia: Elsevier, pp.1111-1161.

Karkouti, K., Beattie, W.S., Wijeyesundera, D.N., Rao, V., Chan, C., Dattilo, K. M., Djaiani, G., Ivanov, J., Karski, J. and David, T.E. 2005. Hemodilution during cardiopulmonary bypass is associated with increased risk of postoperative stroke in cardiac surgery. *Ann Thorac Surg*, 80, 1381-7.

Kollef MH, Wragge T, Pasque C. 1995. Determinants of mortality and multiorgan dysfunction in cardiac surgery patients requiring prolonged mechanical ventilation. *Chest.*, 107(5), pp. 1395-401. doi:10.1378/ chest.107.5.1395.

Legare, JF., Hirsch, GM., Buth, KJ, MacDougall, C, Sullivan, JA. 2001. Preoperative prediction of prolonged mechanical ventilation following coronary artery bypass grafting. *Eur J Cardiothorac Surg.*, 20(5), pp. 930-6



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UNIVERSITAS WAHYU SURYASAPUTRA, dr. Bhirowo Yudho Pratomo, Sp.An, KAKV.; dr. Juni Kurniawaty, Sp.An, KAKV, M.Sc. Madhya Varas, S. Chan, S. Tan, W. Eng, J. Li, B. Luo, H. and Teoh, L., 2018. *Cardiopulmonary*

Bypass Time: Every Minute Counts. *The Journal of Cardiovascular Surgery*, 59(2), pp.274-81.

Miller, R., Choen, N., Eriksson, L., Fleisher, L., Wiener-Kronish, J. and Young, W., 2015. *Miller's Anesthesia*. 8th ed. Philadelphia PA: Elsevier Saunders, pp.2007-2095.

Nashef, S.A.M., Roques, F., Sharples, L.D., Nilsson, J., Smith, C., Goldstone, A.R., Lockowandt, U., 2012. EuroSCORE II. *Eur. J. Cardiothorac. Surg.* 41, 734–745. <https://doi.org/10.1093/ejcts/ezs043>

Nishida, T., Sonoda, H., Oishi, Y., Tanoue, Y., Nakashima, A., Shiokawa, Y., Tominaga, R., 2014. The novel EuroSCORE II algorithm predicts the hospital mortality of thoracic aortic surgery in 461 consecutive Japanese patients better than both the original additive and logistic EuroSCORE algorithms. *Interact. Cardiovasc. Thorac. Surg.* 18, 446–450. <https://doi.org/10.1093/icvts/ivt524>

Noor, D., 2018. *Faktor Prognostik yang Berpengaruh Terhadap Pemakaian Ventilator Berkepanjangan Pascaoperasi Katup Mitral Di Rsup Dr Sardjito Tahun 2012 - 2017*. [online] Etd.repository.ugm.ac.id. Available at: <[http://etd.repository.ugm.ac.id/home/detail\\_pencarian/163136](http://etd.repository.ugm.ac.id/home/detail_pencarian/163136)> [Accessed 15 July 2020].

Noyez, L., Kievit, P.C., van Swieten, H.A., de Boer, M.-J., 2012. Cardiac operative risk evaluation: The EuroSCORE II, does it make a real difference? *Neth. Heart J.* 20, 494–498. <https://doi.org/10.1007/s12471-012-0327-1>



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UNIVERSITAS WAHYU SURYASAPUTRA, dr. Bhirowo Yudho Pratomo, Sp.An, KAKV.; dr. Juni Kurniawaty, Sp.An, KAKV, M.Sc.  
SARDJITO, dr. N. 2005. Management of Temperature During And After Cardiac Surgery. Universitas Gadjah Mada, 2022. Diunduh dari <http://eprints.ugm.ac.id/>

*Cardiovascular Anesthesiology*. Department of Cardiovascular Anesthesiology, Texas Heart Institute St. Luke's Episcopal Hospital, 32 (4) : 472-6.

P2PTM.kemkes.go.id. 2020. *Hari Jantung Sedunia (HJS) Tahun 2019 : Jantung Sehat, SDM Unggul*. [online] Available at: <<http://p2ptm.kemkes.go.id/kegiatan-p2ptm/pusat/hari-jantung-sedunia-hjs-tahun-2019-jantung-sehat-sdm-unggul>> [Accessed 12 July 2020].

Setiari, T., Sujud, R. and Redjeki, I., 2017. Korelasi antara Lama Pintas Jantung Paru dan Lama Bantuan Ventilasi Mekanis pada Pasien Pascabedah Pintas Arteri Koroner di Unit Perawatan Intensif Jantung RSUP Dr. Hasan Sadikin Bandung. *Jurnal Anestesi Perioperatif*, 5(2), pp.9-73.

Shirzad, M., Karimi, A., Ahmadi, S., Marzban, M., Tazik, M. and Aramin, H., 2010. Predictors and Early Outcome of Prolonged Mechanical Ventilation in Contemporary Heart valve Surgery. *Monaldi Archives for Chest Disease*, 74(1).

Siddiqui, M., Paras, I. and Jalal, A., 2012. Risk Factors of Prolonged Mechanical Ventilation Following Open Heart Surgery: What Has Changed Over The Last Decade?. *Cardiovasc Diagn Ther*, [online] 2(3), pp.192-199. Available at: <<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3839186/>> [Accessed 12 July 2020].

Suematsu, Y., Stao, H., Ohtsuka, T., Kotsuka, Y., Araki, S., Takamoto, T., 2000. Predictive risk factors for delayed extubation in patients undergoing coronary artery bypass grafting. *Heart Vessels*, 15(5), pp. 214-20.



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Prolonged Mechanical Ventilation After Coronary Artery Bypass Grafting Surgery. *Iranian Heart Journal*, 9(1), pp.47-54.

Totonchi, Z., Baazm, F., Chitsazan, M., Seifi, S. and Chitsazan, M., 2014. Predictors of Prolonged Mechanical Ventilation after Open Heart Surgery. *Journal of Cardiovascular and Thoracic Research*, 6(4), pp.211-216.

Vervoort, D., Meuris, B., Meyns, B. and Verbrugge, P., 2019. Global cardiac surgery: Access to cardiac surgical care around the world. *The Journal of Thoracic and Cardiovascular Surgery*, 159(3), pp.987-996.e6.

Warnes, C., Williams, R., Bashore, T., Child, J., Connolly, H., Dearani, J., del Nido, P., Fasules, J., Graham, T., Hijazi, Z., Hunt, S., King, M., Landzberg, M., Miner, P., Radford, M., Walsh, E. and Webb, G., 2008. ACC/AHA 2008 Guidelines for the Management of Adults With Congenital Heart Disease. *Circulation*, 118(23).

Wong DT, Cheng DC, Kustra R, Tibshirani R, Karski J, Carroll-Munro J, et al. A Risk factors of delayed extubation, prolonged length of stay in the intensive care unit, and mortality in patients undergoing coronary

Zhang, G., Wang, C., Wang, L., Lu, F., Li, B., Han, L., Xu, Z., 2013. Validation of EuroSCORE II in Chinese Patients Undergoing Heart Valve Surgery. *Heart Lung Circ.* 22, 606–611. <https://doi.org/10.1016/j.hlc.2012.12.01>