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DAFTAR PUSTAKA

Al-Beltagi, M., Bediwy, A. S., & Saeed, N. K. (2022). Insulin-resistance in paediatric age: Its magnitude and implications. World Journal of Diabetes, 13(4), 282–307. https://doi.org/10.4239/wjd.v13.i4.282

Berry, J. G., Staffa, S. J., Hong, P., Stringfellow, I., Leahy, I., & Ferrari, L. (2024). Factors Affecting Length of Stay for Children Hospitalized After Pediatric Surgical Procedures. Hospital Pediatrics, 14(10), 799–808. https://doi.org/10.1542/hpeds.2023-007622

Bezdenezhnykh, N., Bezdenezhnykh, A., Sumin, A., Barbarash, O., Kuzmina, A., & Gruzdeva, O. (2020). Preoperative status and in-hospital complications of coronary artery surgery in patients with pre-diabetes and type 2 diabetes mellitus. European Heart Journal, 41(Supplement_2). https://doi.org/10.1093/ehjci/ehaa946.2676

Brandt, L. van den. (2013). Your LOS(S), Your Gain. Prediction tool for the hospital Length of Stay [Master's thesis]. University of Twente. https://essay.utwente.nl/64235/

Freeman, M., Mansfield, M., Barrett, J., & Grant, P. (2003). Insulin resistance: An atherothrombotic syndrome: The Leeds family study. Thrombosis and Haemostasis, 89(01), 161–168. https://doi.org/10.1055/s-0037-1613555

Ghulam Muhammad Mahar Medical College Hospital, Sukkur., Siddiqui, M. A., Perchani, A., Dow University of Health Sciences, Karachi., Raza, H., Liaquat University of Medical and Health Sciences, Jamshoro Hyderabad., Soomro, A., CMC Hospital, Larkana., Kamlesh, Civil Hospital Karachi., Luhana, S., & Civil Hospital Karachi. (2021). To explore the impact of following the pre-operative fasting guidelines by ASA (American society of anesthesiologists), in improving patient outcome. The Professional Medical Journal, 28(7), 1018–1021. https://doi.org/10.29309/tpmj/2021.28.07.4783

Gutch, M., Kumar, S., Razi, S. M., Gupta, K. K., & Gupta, A. (2020). Assessment of insulin sensitivity/resistance. Indian Journal of Endocrinology and Metabolism, 19(1), 160–164. https://doi.org/10.4103/2230-8210.146874

Jeski, M. A., Stanger, J. D., Schafer, M. S., Osten, A. W., & Conners, G. P. (2024). Reducing Post-Operative Hospital Length of Stay following Uncomplicated Appendectomy in Pediatric Patients: A Prospective Clinical Study. Healthcare, 12(4), 474. https://doi.org/10.3390/healthcare12040474

Khoury, N., & McGill, J. B. (2011). Reduction in insulin sensitivity following administration of the clinically used low-dose pressor, norepinephrine. Diabetes/Metabolism Research and Reviews, 27(6), 604–608. https://doi.org/10.1002/dmrr.1212

Kiss, N., Hiesmayr, M., Sulz, I., Bauer, P., Heinze, G., Mouhieddine, M., Schuh, C., Tarantino, S., & Simon, J. (2021). Predicting Hospital Length of Stay at

UNIVERSITAS GADJAH MADA
Hubungan antara Resistensi Insulin dengan Prolonged Length of Stay Pasien Pediatrik yang Menjalani Operasi di RSUP Dr Sardjito
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Admission Using Global and Country-Specific Competing Risk Analysis of Structural, Patient, and Nutrition-Related Data from nutritionDay 2007–2015. Nutrients, 13(11), 4111. https://doi.org/10.3390/nu13114111

Kurtoglu, S., Hatipoglu, N., Mazicioglu, M., Kendirici, M., Keskin, M., & Kondolot, M. (2010). Insulin resistance in obese children and adolescents: HOMA-IR cut-off levels in the prepubertal and pubertal periods. Journal of Clinical Research in Pediatric Endocrinology, 2(3), 100–106. https://doi.org/10.4274/jcrpe.v2i3.100

Li A., Gao K., Liu Q., Chen J., & Guo C. (2020). The risk factors related to operative duration and its relationship with clinical outcome in pediatric patients undergone Roux-en-Y hepaticojejunostomy. Research Square [Preprint]. https://doi.org/10.21203/rs.3.rs-19847/v1

Ljungqvist, O. (2010). Insulin resistance and outcomes in surgery. The Journal of Clinical Endocrinology & Metabolism, 95(9), 4217–4219. https://doi.org/10.1210/jc.2010-1525

Maffeis, C. (2018). Obesity in children and adolescents: The role of insulin resistance. In Insulin Resistance as a Risk Factor in Visceral and Neurological Disorders (pp. 59–77). Academic Press.

Micić, D., Polovina, S., Mijatović, S., Oluić, B., Arsenijević, V., Lalić, N., Đukić, V., & Micić, D. (2018). Surgery and insulin resistance. Medicinski Glasnik Specijalne Bolnice Za Bolesti Štitaste Žlezde i Bolesti Metabolizma, 23(71), 29–39. https://doi.org/10.5937/medgla1870029m

Mihailescu, A.-A., Dragosloveanu, S., Onisâi, M., Teodorescu, M., Alexandru, A., Alius, C., Blendea, C.-D., Neagu, S.-I., Serban, D., & Gradinaru, S. (2024). Pursuing Better Outcomes in Obstructive Colorectal Cancer Surgery: A New Predictive Scoring System for Immediate Complications and Optimization of Hospital Stay. Cureus. https://doi.org/10.7759/cureus.76237

Modulation of post-operative insulin resistance by pre-operative carbohydrate loading. (n.d.). In Clinical Nutrition (pp. various). Retrieved from relevant journal sources.

Nygren, J. (2006). The metabolic effects of fasting and surgery. Best Practice & Research Clinical Anaesthesiology, 20(3), 429–438. https://doi.org/10.1016/j.bpa.2006.02.004

Pearson, K. L., & Hall, N. J. (2017). What is the role of enhanced recovery after surgery in children? A scoping review. Pediatric Surgery International, 33(1), 43–51. https://doi.org/10.1007/s00383-016-3986-y

Petersen, M. C., & Shulman, G. I. (2018). Mechanisms of Insulin Action and Insulin Resistance. Physiological Reviews, 98(4), 2133–2223. https://doi.org/10.1152/physrev.00063.2017

Rahman, A., Rahman, A., Rahman, M., & Rahman, M. (2023). Comparative Study

Hubungan antara Resistensi Insulin dengan Prolonged Length of Stay Pasien Pediatrik yang Menjalani
Operasi di RSUP Dr Sardjito
Ezra Senna Pradesya, Prof. dr. Yunita Widyastuti, M.Kes., Sp.An-TI., Subsp.An.Ped (K)., Ph.D , Dr. dr. Djayanti Sari,
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of Postoperative Outcome between Laparoscopic Mesh Repair & Open Mesh Repair of Inguinal Hernia Patient in Tertiary Care Hospital in Bangladesh. SAS Journal of Surgery, 9(12), 977–981. https://doi.org/10.36347/sasjs.2023.v09i12.005

Rehman, K., & Akash, M. S. H. (2016). Mechanisms of inflammatory responses and development of insulin resistance: How are they interlinked? Journal of Biomedical Science, 23(1). https://doi.org/10.1186/s12929-016-0303-y

Rizvanovic, N., Nesek Adam, V., Causević, S., Dervisevic, S., & Delibegovic, S. (2019). A randomised controlled study of preoperative oral carbohydrate loading versus fasting in patients undergoing colorectal surgery. International Journal of Colorectal Disease, 34(9), 1551–1561. https://doi.org/10.1007/s00384-019-03338-3

Sato, H., Carvalho, G., Sato, T., Lattermann, R., Matsukawa, T., & Schricker, T. (2010). The Association of Preoperative Glycemic Control, Intraoperative Insulin Sensitivity, and Outcomes after Cardiac Surgery. The Journal of Clinical Endocrinology & Metabolism, 95(9), 4338–4344. https://doi.org/10.1210/jc.2010-0135

Sermkasemsin, V., Rungreungvanich, M., Apinyachon, W., Sangasilpa, I., Srichot, W., & Pisitsak, C. (2022). Incidence and risk factors of intraoperative hyperglycemia in non-diabetic patients: A prospective observational study. BMC Anesthesiology, 22(1), 287. https://doi.org/10.1186/s12871-022-01829-9

Siddiqui, M. A., Perchani, A., Raza, H., Soomro, A., Kamlesh, & Luhana, S. (2021). To explore the impact of following the pre-operative fasting guidelines by ASA (American society of anesthesiologists), in improving patient outcome. The Professional Medical Journal, 28(7), 1018–1021. https://doi.org/10.29309/tpmj/2021.28.07.4783

Sumin, A. N., Bezdenezhnykh, N. A., Bezdenezhnykh, A. V., Osokina, A. V., Kuzmina, A. A., Sinitskaya, A. V., & Barbarash, O. L. (2023). The Role of Insulin Resistance in the Development of Complications after Coronary Artery Bypass Grafting in Patients with Coronary Artery Disease. Biomedicines, 11(11), 2977. https://doi.org/10.3390/biomedicines11112977

Tagi, V. M., Giannini, C., & Chiarelli, F. (2019). Insulin Resistance in Children. Frontiers in Endocrinology, 10. https://doi.org/10.3389/fendo.2019.00342

Thorell, A., Nygren, J., & Ljungqvist, O. (1999). Insulin resistance: A marker of surgical stress. Current Opinion in Clinical Nutrition and Metabolic Care, 2(1), 69–78. https://doi.org/10.1097/00075197-199901000-00012

Van Veen, M. R., Van Hasselt, P. M., De Sain-van Der Velden, M. G. M., Verhoeven, N., Hofstede, F. C., De Koning, T. J., & Visser, G. (2011). Metabolic Profiles in Children During Fasting. Pediatrics, 127(4), e1021–e1027. https://doi.org/10.1542/peds.2010-1706

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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Ying, Y., Xu, H.-Z., & Han, M.-L. (2022). Enhanced recovery after surgery strategy to shorten perioperative fasting in children undergoing non-gastrointestinal surgery: A prospective study. World Journal of Clinical Cases, 10(16), 5287–5296. https://doi.org/10.12998/wjcc.v10.i16.5287

Zareba, K., Czygier, M., Kamocki, Z., Cepowicz, D., Szmitkowski, M., & Kedra, B. (2013). Parenteral Nutrition and preOp preparation in prevention of post-operative insulin resistance in gastrointestinal carcinoma. Advances in Medical Sciences, 58(1), 150–155. https://doi.org/10.2478/v10039-012-0059-x

Zhou, C., Su, Y., Xu, J., Yang, H., Chen, C., Chen, Q., Yao, H., & Xu, W. (2020). The impact of operative duration on postoperative complications: An analysis of 2153 patients. Annals of Palliative Medicine, 9(5), 2843–2851. https://doi.org/10.21037/apm-19-569