

- Akoglu, H. (2018). User's Guide to Correlation Coefficients.  
doi: 10.1016/j.tjem.2018.08.001
- Artika, I.M., Dewi, Y.P., Nainggolan, I.M., Siregar, J.E., Antonjaya, U. (2022). Real-Time Polymerase Chain Reaction: Current Techniques, Applications, and Role in COVID-19 Diagnosis.  
<https://doi.org/10.3390/genes13122387>
- Assar, E., Javier, A. F., Susana, V. F., Concepción, P. V., Carlos, S. F., Leocadio, R. M. (2012). Mechanisms Involved in the Aging-Induced Vascular Dysfunction, Vol. 3. DOI=10.3389/fphys.2012.00132
- Akwii, R. G., Sajib, M., Zahra, T. F., Mikelis, C, M. (2019). Role of Angiopoietin-2 in Vascular Physiology and Pathophysiology, Journal Cells MDPI.  
<https://www.mdpi.com/2073-4409/8/5/471>
- Ashworth, A., Morris, S. S. & Lira, P. I. (1997). Postnatal growth patterns of full-term low birth weight infants in Northeast Brazil are related to socioeconomic status. Journal Nutrition, vol. 127, no. 10, pp. 1950-1956.  
<https://doi.org/10.1093/jn/127.10.1950>
- Biassoni, R., Raso, A. (2020). Quantitative Real Time PCR : Methods and Protocols. Nature Book of Methods in Molecular Biology, Vol. 2065, Pg. 17-34.  
[https://doi.org/10.1007/978-1-4939-9833-3\\_2](https://doi.org/10.1007/978-1-4939-9833-3_2)
- Blyth, A. J., Kirk, N. S., Forbes, B. E. (2020). Understanding IGF-II Action through Insights into Receptor Binding and Activation. *Cells*, 9, 2276.  
<https://doi.org/10.3390/cells9102276>
- Brindle, N. P. J., Saharinen. P., Alitalo. K. (2006). Signalling and Functions of Angiopoietin-1 in Vascular Protection. Ahajournals.  
<https://www.ahajournals.org/doi/10.1161/01.res.0000218275.54089.12>
- Burton, G. J., Fowden, A. L. (2015). The Placenta : A Multifaceted, Transient Organ. NIH journals.  
DOI: 10.1098/rstb.2014.0066
- Burton, G. J., Jauniaux, E. (2018). Development of Human Placenta and Fetal Heart : Synergic or Independent? Journal of Frontiers in Physiology, Vol. 9.  
<https://doi.org/10.3389/fphys.2018.00373>
- Bellieni, C. (2016). The Best Age for Pregnancy and Undue Pressures.  
PMID: 28101110
- Cao, Y., Yu, M., Dong, G., Chen, B., Zhang, B. (2019). Digital PCR as Emerging Tool for Monitoring of Microbial Biodegradation.  
doi:10.3390/molecules25030706
- Chen, Y., Wu, L., Zhang, W., Zou, L., Li, G., Fan, L. (2016). Delivery modes and pregnancy outcomes of low birth weight infants in China.
- Codaccioni, M., Bois, F., Brochot, C. (2019). Placental Transfer of Xenobiotics in Pregnancy Physiologically-based Pharmacokinetic Models : Structure and Data. Journal of Elsevier in Computational Toxicology.  
<https://doi.org/10.1016/j.comtox.2019.100111>
- Cianfarani, S. (2012). Insulin-like Growth Factor II : New Roles for an Old Actor. Journal of Frontiers in Endocrinology.  
doi: 10.3389/fendo.2012.00118
- De-Falco, S. (2012). The discovery of placenta growth and its biological activity. *Nature*

Ewing, G. P., Goff, L. W. (2010). The Insulin-like Growth Factor Signaling Pathway as a Target for Treatment of Colorectal Carcinoma. *Journal of Elsevier, Clinical Colorectal Cancer*, Vol. 9, Issue 4, Pg. 219-223.

<https://doi.org/10.3816/CCC.2010.n.032>

Forbes, K., Westwood, M. (2008). The IGF Axis and Placental Function. *KARGER Journal, Mini Review of Hormone Research*.

<https://doi.org/10.1159/000112585>

Fukumura, D., Gohongi, T., Kadambi, A., Jain, R.K. (2001). Predominant Role of Endothelial Nitric Oxide Synthase in Vascular Endothelial Growth Factor-Induced Angiogenesis and Vascula Permeability.

<https://doi.org/10.1073/pnas.041359198>

Gariyban, L., Avashia, N. (2013). Research Techniques Made Simple : Polymerase Chain Reaction (PCR). *Journal of NIH-PA J-Invest Dermatology*.

doi:10.1038/jid.2013.1.

Garson, J. A., Usher, L., Al-Chalabi, A., Huggett, J., Day, E. F., McCormick, A. L. (2019). Quantitative analysis of Human Endogenous Retrovirus-K Transcripts In Postmortem Premotor Cortex Fails to Confirm Elevated Expression of HERV-K RNA in Amyotrophic Lateral Sclerosis.

<https://doi.org/10.1186/s40478-019-0698-2>

Gutmacher, A., Maddox, Y. T., Spong, C. Y. (2014). The Human Placenta Project : Placenta Structure, Development and Function in Real Time. *Journal of National Institutes of Health*.

10.1016/j.placenta.2014.02.012

Hagen, A. S. E., Orbus. R. J., Wilkening. R. B., Regnault. T. R. H., Anthony. R. V. (2005). Placental Expression of Angiopoietin-1, Angiopoietin-2 and Tie-2 during Placental Development in an Ovine Model of Placental Insufficiency-Fetal Growth Restriction. *Journal of Pediatric Research*, Vol. 58, no. 6.

10.1203/01.pdr.0000185266.23265.87

Heid, C. A., Stevens, J., Livak, K. J., Williams, P. M. (1996). Real Time Quantitative PCR.

doi:10.1101/gr.6.10.986

Horner, A., Bord, S., Kelsall, W., Coleman, N., Compston, J. E. (2001). Tie2 Ligands Angiopoietin-1 and Angiopoietin-2 Coexpressed With Vascular Endothelial Cell Growth Factor in Growing Human Bone.

PII S8756-3282(00)00422-1

Huang, Y. T., Hsiang, Y. L., Chung, H. W., Bai, H. S., Che, C. L. (2018). Association of Preterm Birth and small for gestational age with metabolic outcomes in children and adolescents.

<https://doi.org/10.1016/j.pedneo.2017.07.007>

Hughes, M. M., Black, R. E. (2016). 2500-g-Low Birth Weight Cutoff : History and Implications for Future Research and Policy.

doi: 10.1007/s10995-016-2131-9

Hughson, M., Farris, A. B., Denton, R. D., Hoy, W. E., Bertram, J. F. (2003). Glomerular Number and Size in Autopsy Kidney : The Relationship to Birth Weight.

<https://doi.org/10.1046/j.1523-1755.2003.00018.x>

Kingshott, G., Biernacka, K., Sewell, A., Gwiti, P., Barker, R., Zielinska, H., *et al.* (2021). Alteration of Metabolic Conditions Impacts the Regulation of IGF-II/H19 Imprinting Status in Prostate Cancer.

- Koch, S., Welsh, L. C. (2012). Signal Transduction by Endothelial Growth Factor Receptors.  
doi: 10.1101/cshperspect.a006502
- Kuhlmann, K., Cieselski, M. & Schumann, J. (2021). Relative versus absolute RNA quantification: a comparative analysis based on the example of endothelial expression of vasoactive receptors. *Biol Proced Online* 23, 6. <https://doi.org/10.1186/s12575-021-00144-w>
- Lang, V., Symons, A., Watton, S. J., Janzen, J., Soneji, Y., Beinke, S., *et al.* (2004). ABIN-2 Forms a Ternary Complex with TPL-2 and FK-kB p105 and is Essential for TPL-2 Protein Stability.  
DOI: 10.1128/MCB.24.12.5235-5248.2004
- Mancarella, C., Morrione, A., Scotland, K. (2021). Novel Regulators of the IGF System in Cancer. *Journal of Biomolecules*, MDPI.  
<https://www.mdpi.com/2218-273X/11/2/273>
- Metgud, C. S., Naik, V. A., Mallapur, M. D. (2012). Factors affecting birthweight of a Newborn- A community Based Study. *PLoS ONE*, vol. 7, no. 7  
<https://doi.org/10.1371/journal.pone.0040040>
- Morrissey, C., Dowell, A., Koreckij, T. D., Nguyen, H., Bryce, L., Fanslow, W.C., *et al.* (2010). Inhibition of Angiopoietin-2 in LuCaP 23.1 Prostate Cancer Tumors Decreases Tumor Growth and Viability.  
doi: 10.1002/pros.21216
- Pichiule, P., Chavezt, J. C., LaManna, J. C. (2004). Hypoxic Regulation of Angiopoietin-2 Expression in Endothelial Cells.  
<https://doi.org/10.1074/jbc.M305146200>
- Rani, A., Wadhwani, N., Gautam, P. C., Joshi, S. (2016). Altered Development and Function of the Placental Regions in Preeclampsia and Its Association With Long-Chain Polyunsaturated Fatty Acids. *WIREs Developmental Biology* Article.  
<https://doi.org/10.1002/wdev.238>
- Radlovic, N. (2017). Intra Uterine Growth Restriction : Causes and Consequences  
DOI: <https://doi.org/10.2298/SARH170710145R>
- Riset Kesehatan Dasar (Riskesdas) (2018). Badan Penelitian dan Pengembangan Kesehatan Kementerian RI tahun 2018.
- Roberts, R. E. (2012). The Extracellular Signal-Regulated Kinase (ERK) Pathway : A Potential Therapeutic Target in Hypertension. *Journal of Experimental Pharmacology*, Vol. 4: 77-83.  
<https://doi.org/10.2147/JEP.S28907>
- Sandovici, I., *et al.* (2021). The imprinted Igf2-Igf2R axis is critical for matching placental microvasculature expansion to fetal growth.  
<https://doi.org/10.1016/j.devcel.2021.12.005>
- Selenou, C., Brioude, F., Giabicani, E., Sobrier, M. L., Netchine, I. (2022). IGF-2 : Development, Genetic and Epigenetic Abnormalities. *MDPI Journal of Cells*.  
<https://doi.org/10.3390/cells11121886>
- Tahergorabi, Z., Khazaei, M. (2012). A review on Angiogenesis and Its Assays.  
PMCID: PMC3646220
- Tajadini, M., Panjehpour, M., & Javanmard, S. H. (2014). Comparison of SYBR Green and TaqMan methods in quantitative real-time polymerase chain reaction analysis of four adenosine receptor subtypes. *Advanced biomedical research*, 3, 85.  
<https://doi.org/10.4103/2277-9175.127998>
- Thurston G. (2002). Complementary Action of VEGF and Angiopoietin-1 on Blood



doi: 10.1046/j.1469-7580.2002.00061.x

Tran, V., Weckman, A. M., Crowley, V. M., Cahill, L. S., Zhong, K., Cabrera, A., *et al.* (2021). The Angiopoietin-Tie2 Axis Contributes to Placental Vascular Disruption and Adverse Birth Outcomes in Malaria in Pregnancy.

DOI:<https://doi.org/10.1016/j.ebiom.2021.103683>

Wang, Y., Zhao, S. (2010). Vascular Biology of the Placenta. San Rafael (CA): Morgan & Claypool Life Sciences. Chapter 7, Angiogenic Factors.

<https://www.ncbi.nlm.nih.gov/books/NBK53255/>

Woods, L., Garcia, V. P., Hemberger, M. (2018). Regulation of Placental Development and its impact on fetal Growth-New Insights from Mouse Models. Journal of Frontiers in Endocrinology.

<https://www.frontiersin.org/articles/10.3389/fendo.2018.00570/full>

Young, M. F., Ramakrishnan, U. (2020). Maternal Undernutrition Before and During Pregnancy and Offspring Health and Development.

DOI: 10.1159/000510595

Yu, X., Seegar, T. C., Dalton, A. C., Robey, D. T., Goldgur, Y., Rajashankar, K. R., *et al.* (2013). Structural Basis for Angiopoietin-1-Mediated Signaling Initiation. PNAS Journal of Biochemistry.

doi: 10.1073/pnas.1216890110