

“Why Hydration Is the Unsung Hero in Conquering Pediatric Urinary Incontinence”
[EduPlay Gaming App] | by Dr. Tiffani S. Bacon, PT

Reference List for “Why Hydration Is the Unsung Hero in Conquering Pediatric Urinary Incontinence”

[1] Georgios Papaioikonomou, Kiriaki Apergi, O. Malisova (2025). Children, Adolescents and Urine Hydration Indices— A Systematic Literature Review on Athletes and Non-Athletes. *Children*, 12. <https://doi.org/10.3390/children12020171>

[2] D. Bolat, I. Acar, A. Zumrutbas, S. Eskiçorapç1, E. Sancak, M. (2014). Prevalence of Daytime Urinary Incontinence and Related Risk Factors in Primary School Children in Turkey. *Korean Journal of Urology*, 55, 213 - 218. <https://doi.org/10.4111/kju.2014.55.3.213>

[3] A. Acikgoz, Mukaddes Baskaya, Merve Çakirli, Fatih Çemrek, B. Tokar (2021). The evaluation of urinary incontinence in secondary school children and risk factors: An epidemiological study. *International Journal of Clinical Practice*, 75. <https://doi.org/10.1111/ijcp.14657>

[4] Raed Alasmi, Turki M. Bin Saqyan, L. F. Alanazi, Moaath F. Alharbi, Abdulrahman F. Alashgae (2022). Urinary incontinence: Comparison study to identify the type, incidence and risk factors between admitted women and the general population in Al-Kharj city, Saudi Arabia. *Urology Annals*, 15, 68 - 73. https://doi.org/10.4103/ua.ua_188_21

[5] B. Borg, B. Trabjerg, J. Dreier, Søren Rittig, A. Breinbjerg, Jakob Christensen, Kristian Juul, Per Hove Thomsen, K. Kamperis (2025). Childhood functional urinary incontinence and school performance: a nationwide matched cohort study.. *The Journal of urology*, 101097JU0000000000004532 . <https://doi.org/10.1097/JU.0000000000004532>

[6] J. M. Linde, I. Hofmeester, M. Steffens, Francis J. Kloosterman-Eijgenraam, R. Nijman, M. Blanker (2025). Critical Appraisal of Guidelines for Daytime Urinary Incontinence in Children: Evaluation of Quality and Recommendations on Diagnostics. *Neurourology and Urodynamics*, 44, 1170 - 1179. <https://doi.org/10.1002/nau.70047>

[7] C. Joinson, M. Grzeda, Jon Heron, Alexander von Gontard (2024). Sleep duration, sleep problems and developmental trajectories of urinary incontinence: a prospective cohort study. *European Child & Adolescent Psychiatry*, 33, 4361 - 4369. <https://doi.org/10.1007/s00787-024-02471-1>

[8] N. Çetin, Aslı Kavaz Tufan, B. Tokar (2020). The risk factors of tract infection and renal scarring in children with functional urinary incontinence. *LUTS: Lower Urinary Tract Symptoms*, 13, 160 - 167. <https://doi.org/10.1111/luts.12349>

[9] B. Buckley, C. Sanders, L. Spineli, Qiaoling Deng, J. Kwong (2019). Conservative interventions for treating functional daytime urinary incontinence in children.. *The Cochrane database of systematic reviews*, 9, CD012367 .

<https://doi.org/10.1002/14651858.cd012367.pub2>

“Why Hydration Is the Unsung Hero in Conquering Pediatric Urinary Incontinence”
[EduPlay Gaming App] | by Dr. Tiffani S. Bacon, PT

- [10] Ivanda Araújo Matias Issa de Oliveira, Cristiane Feitosa Salviano, Gisele Martins (2018). Children with urinary incontinence: impact on family members coexistence. *Journal of Nursing Ufpe Online*, 12, 2061-2073. <https://doi.org/10.5205/1981-8963-V12I7A234837P2061-2073-2018>
- [11] P. Rosier (2013). The evidence for urodynamic investigation of patients with symptoms of urinary incontinence. *F1000Prime Reports*, 5. <https://doi.org/10.12703/P5-8>
- [12] Yuan-Hong Jiang, H. Kuo (2017). Recent research on the role of urodynamic study in the diagnosis and treatment of male lower urinary tract symptoms and urinary incontinence. *Tzu-Chi Medical Journal*, 29, 72 - 78. https://doi.org/10.4103/tcmj.tcmj_19_17
- [13] T. Tarcan, E. Finazzi-Agró, T. Kessler, M. Serati, E. Solomon, P. Rosier (2023). How should prospective research be designed to legitimately assess the value of urodynamic studies in female urinary incontinence?. *Neurourology and Urodynamics*, 42, 1639 - 1646. <https://doi.org/10.1002/nau.25273>
- [14] Z. Pilsetniece, E. Vjaters (2020). The role of conventional urodynamic in diagnosing specific types of urinary incontinence in women.. *Turkish journal of urology*, 1-5 . <https://doi.org/10.5152/tud.2020.19218>
- [15] E. Rubilotta, M. Balzarro, A. D'Amico, M. Cerruto, S. Bassi, C. Bovo, V. Iacovelli, D. Bianchi, W. Artibani, E. Finazzi Agrò (2019). Pure stress urinary incontinence: analysis of prevalence, estimation of costs, and financial impact. *BMC Urology*, 19. <https://doi.org/10.1186/s12894-019-0468-2>
- [16] A. Agarwal, S. Rathi, Pranab Patnaik, D. Shaw, Madhu Jain, S. Trivedi, U. S. Dwivedi (2014). Does Preoperative Urodynamic Testing Improve Surgical Outcomes in Patients Undergoing the Transobturator Tape Procedure for Stress Urinary Incontinence? A Prospective Randomized Trial. *Korean Journal of Urology*, 55, 821 - 827. <https://doi.org/10.4111/kju.2014.55.12.821>
- [17] P. Hilton, N. Armstrong, C. Brennand, D. Howel, Jing Shen, A. Bryant, D. Tincello, M. Lucas, B. Buckley, C. Chapple, T. Homer, L. Vale, E. McColl (2015). INVESTIGATE-I (INVasive Evaluation before Surgical Treatment of Incontinence Gives Added Therapeutic Effect?): a mixed-methods study to assess the feasibility of a future randomised controlled trial of invasive urodynamic testing prior to surgery for stress urinary incontinence in women.. *Health technology assessment*, 19 15, 1-273, vii-viii . <https://doi.org/10.3310/hta19150>
- [18] Hansol Lee, Ki Bom Kim, Sangchul Lee, Sang Wook Lee, Myong Kim, S. Cho, Seung-June Oh, S. Jeong (2015). Urodynamic assessment of bladder and urethral function among men with lower urinary tract symptoms after radical prostatectomy: A comparison between men with and without urinary incontinence. *Korean Journal of Urology*, 56, 803 - 810. <https://doi.org/10.4111/kju.2015.56.12.803>

“Why Hydration Is the Unsung Hero in Conquering Pediatric Urinary Incontinence”
[EduPlay Gaming App] | by Dr. Tiffani S. Bacon, PT

[19] S. Hsiao, Pei-Chi Wu, Ting Chen Chang, Chi-Hau Chen, Ho-Hs Urodynamic and Bladder Diary Factors Predict Overactive Bladder-wet in Women: A Comparison With Overactive Bladder-dry. *International Neurourology Journal*, 23, 69 - 74. <https://doi.org/10.5213/inj.1836212.106>

[20] Zaky Mubarak, Endang Mahati, Anggorowati (2018). Fluid Chart on Fluid Intake Management Adherence among Hemodialysis Patients: A Literature Review. *Unknown Journal*. <https://doi.org/10.5220/0008203801040109>

[21] Mukokinya Kailemia, N. Kariuki, Ahmed R. Laving, A. Agweyu, D. Wamalwa (2018). Caregiver oral rehydration solution fluid monitoring charts versus standard care for the management of some dehydration among Kenyan children: a randomized controlled trial.. *International health*, 10 6, 442-450 . <https://doi.org/10.1093/inthealth/ihy040>

[22] Lydia Sumbel, Aanchal Wats, M. Salameh, Elumalai Appachi, U. Bhalala (2021). Thoracic Fluid Content (TFC) Measurement Using Impedance Cardiography Predicts Outcomes in Critically Ill Children. *Frontiers in Pediatrics*, 8. <https://doi.org/10.3389/fped.2020.564902>

[23] E. James, O. P. Devine, W. Ali, S. Butler, J. Fleet (2023). 1233 A QUALITY IMPROVEMENT PROJECT TO IMPROVE THE MONITORING OF FLUID INTAKE ON OLDER PERSONS' WARDS. *Age and Ageing*. <https://doi.org/10.1093/ageing/afac322.069>

[24] Ajeng Ruvita Dewi (2022). HUBUNGAN ANTARA PEMANTAUAN INTAKE OUTPUT CAIRAN PENDERITA CKD DENGAN TERJADINYA OVERLOAD CAIRAN. *Media Husada Journal Of Nursing Science*. <https://doi.org/10.33475/mhjns.v3i2.89>

[25] S. Stevens, M. Scheuerman, K. Van Hoeck, V. Saldien (2023). Assessing fluid shifts in the pediatric surgical patient: is bioimpedance a promising tool. *Acta Anaesthesiologica Belgica*. <https://doi.org/10.56126/74.3.18>

[26] Putu Kurniyanta, Arie Utariani, Elizeus Hanindito, Christopher Ryalino (2019). The ultrasonic cardiac output monitor (USCOM) as a tool in evaluating fluid responsiveness in pediatric patients underwent emergency surgery. *Bali Journal of Anesthesiology*. <https://doi.org/10.15562/BJOA.V3I1.111>

[27] Anitha Rajendran, Pratibha Bamne, Nitesh Upadhyay, Umesh Pandwar, Jyotsna Shrivastava (2025). Impact of Fluid Overload on Mortality Among Critically Ill Pediatric Patients: An Observational Study at a Tertiary Care Hospital in Central India. *Cureus*, 17.

<https://doi.org/10.7759/cureus.82178>

[28] Wahdaniyah Wahdaniyah, Irna Nursanti, Diana Irawati, Dhea Natashia, Yeti Resnayati (2024). Effectiveness of Digital Self-Management Toward Fluid Restriction on Interdialytic Weight Gain Among Patients Undergoing Hemodialysis in Jakarta Islamic Hospital. *Jurnal Keperawatan Komprehensif (Comprehensive Nursing Journal)*. <https://doi.org/10.33755/jkk.v10i3.644>

“Why Hydration Is the Unsung Hero in Conquering Pediatric Urinary Incontinence”
[EduPlay Gaming App] | by Dr. Tiffani S. Bacon, PT

- [29] Stacey L. Valentine, R. Tasker (2020). Weighing the Balance of Fluids: Are Pediatric Neurotrauma Patients Different?. *Pediatric Critical Care Medicine*. <https://doi.org/10.1097/PCC.0000000000002165>
- [30] N. Tomsa, L. Meli, Teodora Popescu, Karina Najjar, A. V. Borka-Balas (2025). Microbiota—A Rescuing Modulator in Children Struggling with Functional Constipation. *Microorganisms*, 13. <https://doi.org/10.3390/microorganisms13071504>
- [31] Ana-Maria Roxana Koller, M. S. S. ran, C. Mîrginean (2025). The Pediatric Obesity and Metabolic Disorders: Insights from a Comprehensive Review. *Nutrients*, 17. <https://doi.org/10.3390/nu17111883>
- [32] Wei Dai, Xiaofan Chen, Huanhuan Zhou, Ning Liu, Mengdi Jin, Zhi Guo (2025). Microbiota modulation for infectious complications following allogeneic hematopoietic stem cell transplantation in pediatric hematological malignancies. *Frontiers in Pediatrics*, 13. <https://doi.org/10.3389/fped.2025.1509612>
- [33] Adi Eindor-Abarbanel, G. Healey, K. Jacobson (2021). Can Gut Microbiome Treat IBD in Patients of All Ages?. *International Journal of Molecular Sciences*, 22. <https://doi.org/10.3390/ijms222212506>
- [34] Mustafa Ali Kassim Kassim, A. C. Pantazi, Mustafa Hussein Naser Naser (2023). Probiotics and Gut Microbiota: A New Horizon in Pediatric Chronic Kidney Disease. *Al-Anbar Medical Journal*. <https://doi.org/10.33091/amj.2023.142221.1301>
- [35] Doina Bivol, Felicia Gheorghita, Ana Atcaci (2024). Metabolic syndrome and intestinal microbiota in children. *Public Health, Economy and Management in Medicine*. [https://doi.org/10.52556/2587-3873.2024.5\(102\).05](https://doi.org/10.52556/2587-3873.2024.5(102).05)
- [36] G. Fiore, V. C. Magenes, E. Di Profio, C. Milanta, V. Calcaterra, A. Diamanti, C. Campoy, G. Zuccotti, E. Verduci (2022). Gut microbiota in obesity and related comorbidities in children and adolescents: the role of probiotics in treatment. *Minerva pediatrica*. <https://doi.org/10.23736/S2724-5276.22.06964-6>
- [37] V. Calcaterra, H. Cena, Federica Loperfido, Debora Porri, Sara Basilico, Cassandra Gazzola, Cecilia Ricciardi Rizzo, Maria Vittoria Conti, Giovanni Luppino, M. Wasniewska, G. Zuccotti (2024). Functional Gastrointestinal Disorders and Childhood Obesity: The Role of Diet and Its Impact on Microbiota. *Nutrients*, 17. <https://doi.org/10.3390/nu17010123>
- [38] S. Esposito (2014). Immunity, gut microbiota and infection. *Italian Journal of Pediatrics*, 40, A12 - A12. <https://doi.org/10.1186/1824-7288-40-S1-A12>
- [39] Rocío Quiroga, E. Nistal, Brisamar Estébanez, D. Porras, M. Martínez Flórez, M. García Mediavilla, JOSE ANTONIO DE PAZ, J. Sánchez Campos, M. J. Cuevas (2020). Exercise training modulate

“Why Hydration Is the Unsung Hero in Conquering Pediatric Urinary Incontinence”
[EduPlay Gaming App] | by Dr. Tiffani S. Bacon, PT

and impairs inflammatory signaling pathways in obese children. *Experimental & Molecular Medicine*, 52, 1048 - 1061. <https://doi.org/10.1038/s12276-020-0459-0>

[40] Roberta Vasconcellos Menezes de Azevedo, E. A. Oliveira, Mônica M. Vasconcelos, Breno Augusto Campos de Castro, Fabiana R. Pereira, N. Duarte, Patricia Moraes Resende de Jesus, G. B. Vaz, E. Lima (2014). Impact of an interdisciplinary approach in children and adolescents with lower urinary tract dysfunction (LUTD).. *Jornal brasileiro de nefrologia : 'orgao oficial de Sociedades Brasileira e Latino-Americana de Nefrologia*, 36 4, 451-9 . <https://doi.org/10.5935/0101-2800.20140065>

[41] O. Onal, A. Demirci, O. Bayrak (2015). Caudal Anesthesia for Open Bladder Surgery in High-Risk Adolescent With Scoliosis and Neural Tube Defect. *Anesthesiology and Pain Medicine*, 5. <https://doi.org/10.5812/aapm.26878>

[42] Barry M. Popkin, Kristen E. D’Anci, Irwin H. Rosenberg (2010). Can Drinking Enough Water Improve Your Health?. *Nutrition Reviews*. <https://doi.org/10.1111/j.1753-4887.2010.00304.x>

[43] Maysane Jari, Pia Kiwan, R. Sacy (2024). First case report of caudal regression syndrome in a Syrian patient with unusual clinical presentation. *Journal of Pediatrics & Neonatal Care*. <https://doi.org/10.15406/jpnc.2024.14.00532>

[44] Yizhak Marcus (1991). Thermodynamics of solvation of ions. Part 5.—Gibbs free energy of hydration at 298.15 K. *Unknown Journal*. <https://doi.org/10.1039/ft9918702995>

[45] Ann S. Masten, Karin M. Best, Norman Garmezzy (1990). Can Children Overcome Adversity and Thrive?. *Unknown Journal*. <https://doi.org/10.1017/s0954579400005812>

[46] George J. Schwartz, Alvaro MunCombining Tildeoz, Michael F. Schneider, Robert H. Mak, Frederick J. Kaskel, Bradley A. Warady, Susan L. Furth (2009). New Equations to Estimate GFR in Children with CKD. *Journal of the American Society of Nephrology*. <https://doi.org/10.1681/asn.2008030287>

[47] Robert J. Palisano, Peter Rosenbaum, Stephen D. Walter, Dianne Russell, Ellen Wood, Barbara Galuppi (1997). Can a System Classify Motor Function in Cerebral Palsy Children?. *Developmental Medicine & Child Neurology*. <https://doi.org/10.1111/j.1469-8749.1997.tb07414.x>

[48] Laurence B. Leonard (2014). Children with Specific Language Impairment. *Unknown Journal*. <https://doi.org/10.7551/mitpress/9152.001.0001>

[49] Doree Sitkoff, Kim A. Sharp, Barry Honig (1994). Accurate Calculation of Hydration Free Energies Using Macroscopic Solvent Models. *Unknown Journal*. <https://doi.org/10.1021/j100058a043>

[50] Suha Hamshari, Dima Salman, Dina Jaber, Raghad Dweik, Rola Abualwafa, Mahfouz Ktaifan, Sa’ed H. Zyoud, Maha Akkawi, F. Abushamma (2024). Assessment of Voiding

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[EduPlay Gaming App] | by Dr. Tiffani S. Bacon, PT

Dysfunction and Nocturnal Enuresis Rates in Primary School Children in Nablus, Palestine: A Cross-Sectional Study. *Clinical Medicine Insights. Pediatrics*, 18. <https://doi.org/10.1177/11795565241281339>

[51] Z. Shahba, B. Ahmadi, Saeedg Haji Bandeh, M. Hosseinpour (2022). Evaluation of Bowel Management Program on Quality of Life in Children with Fecal Incontinence. *Advanced Biomedical Research*, 11. https://doi.org/10.4103/abr.abr_177_20

[52] Yulia V. Shugina, N. Mikitchenko, O. Mokrushina, I. Ivanova (2021). Physiotherapy in the Complex Rehabilitation of Children with Anorectal Malformations: S

Rehabilitation Medicine. <https://doi.org/10.38025/2078-1962-2021-20-4-28-34>

[53] Lawrence E. Armstrong, Carl M. Maresh, John W. Castellani, Michael F. Bergeron, Robert W. Kenefick, K E LaGasse, Deborah Riebe (1994). Are You Hydrated Enough? Investigating Urine Color for Hydration Levels. *International Journal of Sport Nutrition*. <https://doi.org/10.1123/ijns.4.3.265>

[54] E. Pimenova, G. A. Korolev, O. Romanova (2021). Impaired fertility and sexual function in patients with anorectal malformations. *Russian Journal of Pediatric Surgery, Anesthesia and Intensive Care*, 11, 91-98. <https://doi.org/10.17816/PSAIC706>

[55] Jacob Klein (2013). Hydration lubrication. *Friction*. <https://doi.org/10.1007/s40544-013-0001-7>

[56] Danuta Mirka (2004). Hearing in Time: Psychological Aspects of Musical Meter. *Unknown Journal*. <https://doi.org/10.1215/00222909-48-2-325>

[57] Guoqin Wang, Ruiqin Ma, Guangwei Qiao, Koji Wada, Yoshifusa Aizawa, Toshihiko Sakurai

(2015). Can Horse Riding Help Kids with Cerebral Palsy?. *Integrative Medicine International*. <https://doi.org/10.1159/000368408>

[58] Ibo Macdonald, Véronique de Goumoëns, M. Marston, Silvia Alvarado, E. Favre, A. Trombert, M. Perez, A. Ramelet (2023). Effectiveness, quality and implementation of pain, sedation, delirium, and iatrogenic withdrawal syndrome algorithms in pediatric intensive care: a systematic review and meta-analysis. *Frontiers in Pediatrics*, 11. <https://doi.org/10.3389/fped.2023.1204622>

[59] H. Lamothe, Yannis Elandaloussi, Amane-Allah Lachkar, R. Delorme, M. Peycelon (2025). Enuresis in pediatric patients suffering from obsessive-compulsive disorder (OCD): How to manage it?. *Clinical child psychology and psychiatry*, 13591045251355317 . <https://doi.org/10.1177/13591045251355317>

[60] S. Yusupov, L. Khakimova (2024). PEDIATRIC UROLITHIASIS: PREDISPOSING FACTORS AND EARLY DIAGNOSIS IN OUTPATIENT SETTING. *AVICENNA BULLETIN*. <https://doi.org/10.25005/2074-0581-2024-26-3-452-460>

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[EduPlay Gaming App] | by Dr. Tiffani S. Bacon, PT

[61] C. Dymond, K. Hill, Chelsea McCullough, J. Dixon, Emilie Calvello-Hynes (2019). Use of Clinical Algorithms for Evaluation and Management of Pediatric and Adult Sepsis Patients in Low-Resource Clinical Environments. *Prehospital and Disaster Medicine*, 34, s175 - s175. <https://doi.org/10.1017/S1049023X19004011>

[62] Sahar N. Rooholamini, Brittany Jennings, Chuan Zhou, S. Kaiser, M. Garber, Michael J Tchou, S. Ralston (2021). Effect of a Quality Improvement Bundle to Standardize the Use of Intravenous Fluids for Hospitalized Pediatric Patients: A Stepped-Wedge, Cluster Randomized Clinical Trial.. *JAMA pediatrics*. <https://doi.org/10.1001/jamapediatrics.2021.4267>

[63] Merve Koç Yekedüz, Gülçin Bilicen Yarenci, Muhammet Ta_, N

Emino lu (2025). Enhancing clinical decision-making: a scenario-b using QR code-based algorithms for the management of acute intoxication-type inborn errors of metabolism.. *The Turkish journal of pediatrics*, 67 2, 162-174 . <https://doi.org/10.24953/turkjpediatr.2025.5208>

[64] Natalie Mitchell, A. Calloway, Syed-Amad Hussain, Elizabeth Lyman, Devante Barnes, Mattina Davenport (2025). 1092 A Narrative Review of Artificial Intelligence/Machine Learning Methods in Pediatric Sleep. *SLEEP*. <https://doi.org/10.1093/sleep/zsaf090.1092>

[65] Laura O H Rust, Tyler Gorham, S. Bambach, Ryan S. Bode, T. Maa, J. Hoffman, S. Rust (2023). The Deterioration Risk Index: Developing and Piloting a Machine Learning Algorithm to Reduce Pediatric Inpatient Deterioration*. *Pediatric Critical Care Medicine*, 24, 322 - 333. <https://doi.org/10.1097/PCC.0000000000003186>

[66] S. Mosquera, Shwetabh Verma (2025). Impact of Corneal-Hydration-Induced Changes in Ablation Efficiency During Refractive Surgery. *Photonics*. <https://doi.org/10.3390/photonics12080769>

[67] E. Wang, B. Randall Brenn, C. Matava (2020). State of the art in clinical decision support applications in pediatric perioperative medicine.. *Current Opinion in Anaesthesiology*. <https://doi.org/10.1097/ACO.0000000000000850>