



RESEARCH IN A SNAP

OVERVIEW

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Knowledge Repository News

It's been a busy two months of entries into the Knowledge Repository with 47 new additions! Half of the new citations address three topics - infection control, acoustics/noise, and dementia care, and these citations reflect a combination of peer-reviewed journal articles, book chapters, and published conference proceedings. If you are headed to the annual HCD Expo & Conference in Orlando, think about brushing up on your networking banter with some of the latest research. It's always great plane reading and will get you into the conference mindset.

(Published ahead of print "in press" will be updated as volume and page information becomes available.)

September-October 2017

Infection Control

1. Franklin, E., & Stein, L. (2017). Human Factors Analysis of Infection Prevention Practices in the Anesthesia Work Environment. In Proceedings of the Human Factors and Ergonomics Society Annual Meeting (Vol. 61, pp. 639-642). Austin, TX: Sage Journals. <https://doi.org/10.1177/1541931213601644>
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3. Markley, J. D., & Stevens, M. P. (2017). Infection Control in the Outpatient Setting. In G. Bearman, S. Munoz-Price, D. Morgan, & R. Murthy (Eds.), *New Perspectives and Controversies in Infection Prevention* (p. in press).
4. Martin, L. D., Kallile, M., Kanmanthreddy, S., & Zerr, D. M. (2017). Infection prevention in pediatric anesthesia practice. *Pediatric Anesthesia*, 27(11), 1077-1083. <https://doi.org/10.1111/pan.13252>
5. McQueen, R. H., & Ehnes, B. L. (2017). Antimicrobial textiles and infection prevention - Clothes and inanimate environment. In G. Bearman, S. Munoz-Price, D. Morgan, & R. Murthy (Eds.), *New Perspectives and Controversies in Infection Prevention* (p. in press).
6. Mitchell, K. F., Barker, A. K., Abad, C. L., & Safdar, N. (2017). Infection control at an urban hospital in Manila, Philippines: a systems engineering assessment of barriers and facilitators. *Antimicrobial Resistance & Infection Control*, 6(90), 1-9. <https://doi.org/10.1186/s13756-017-0248-2>



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9. Rathore, M. H., Jackson, M. A., & Committee on Infectious Diseases. (2017). Infection Prevention and Control in Pediatric Ambulatory Settings. *Pediatrics*, e20172857. <https://doi.org/10.1542/peds.2017-2857>

Acoustics/Noise

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11. Gallacher, S., Enki, D., Stevens, S., & Bennett, M. J. (2017). An experimental model to measure the ability of headphones with active noise control to reduce patient's exposure to noise in an intensive care unit. *Intensive Care Medicine Experimental*, 5, 47. <https://doi.org/10.1186/s40635-017-0162-1>
12. Kalafata, S., & Waye, K. P. (2017). The Importance of Low Frequency Masking on Auditory Perception (Literature Review No. 4:2017) (p. 32). Gothenburg, Sweden: Unit for Occupational & Environmental Medicine in Gothenburg. Retrieved from https://gupea.ub.gu.se/bitstream/2077/53429/1/gupea_2077_53429_1.pdf
13. Kawai, Y., Weatherhead, J. R., Traube, C., Owens, T. A., Shaw, B. E., Fraser, E. J., ... Niedner, M. F. (2017). Quality Improvement Initiative to Reduce Pediatric Intensive Care Unit Noise Pollution With the Use of a Pediatric Delirium Bundle. *Journal of Intensive Care Medicine*, in press. <https://doi.org/10.1177/0885066617728030>
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15. Ma, K. W., Wong, H. M., & Mak, C. M. (2017). Dental Environmental Noise Evaluation and Health Risk Model Construction to Dental Professionals. *International Journal of Environmental Research and Public Health*, 14(9), 1084. <https://doi.org/10.3390/ijerph14091084>
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Dementia Care

18. Brooke, J., & Semlyen, J. (2017). Exploring the impact of dementia-friendly ward environments on the provision of care: A qualitative thematic analysis. *Dementia* (London, England), in press. <https://doi.org/10.1177/1471301216689402>
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24. Wong, J. K.-W., Skitmore, M., Buys, L., & Wang, K. (2014). The effects of the indoor environment of residential care homes on dementia sufferers in Hong Kong: A critical incident technique approach. *Building and Environment*, 73(Supplement C), 32–39. <https://doi.org/10.1016/j.buildenv.2013.12.001>

Building Systems (Air Quality, etc.)/Facilities Management

25. Derby, M. M., Hamehkasi, M., Eckels, S., Hwang, G. M., Jones, B., Maghirang, R., & Shulan, D. (2017). Update of the scientific evidence for specifying lower limit relative humidity levels for comfort, health, and indoor environmental quality in occupied spaces (RP-1630). *Science and Technology for the Built Environment*, 23(1), 30–45. <https://doi.org/10.1080/23744731.2016.1206430>
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Design Process

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Methodology (Performance Evaluation)

36. Kato, A., Mori, S., & Kato, M. (2018). Emerging Trends in Performance Evaluation of Pediatric Intensive Care Units in Japanese Children's Hospitals. In W. F. E. Preiser, A. E. Hardy, & U. Schramm (Eds.), *Building Performance Evaluation* (pp. 285–294). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-319-56862-1_22



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Other

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