

THE UNIVERSITY OF IOWA COLLEGE OF NURSING

FACULTY

NAME & TITLE: Barbara Rakel, PhD, RN
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EDUCATION:

DEGREE	INSTITUTION	MAJOR
BSN	The University of Iowa	Nursing
MA	The University of Iowa	Nursing
PhD	The University of Iowa	Nursing
Postdoc	The University of Iowa	Nursing

RESEARCH FOCUS:

- Pain Management in Older Adults
- Hyperalgesia
- Non-pharmacologic Pain Interventions
- Acute Care
- Evidence-based Practice

CURRENT FUNDING:

- PI: Effect of TENS on Knee Osteoarthritis Pain, Hyperalgesia, and Function (RO3: National Institute of Health, National Institute of Nursing Research, and Congdon Fellowship Grant)
- PI: Effectiveness of TENS on Pain, Hyperalgesia, and Function After Total Knee Replacement (R01: National Institute of Health, National Institute of Nursing Research)

REPRESENTATIVE PUBLICATIONS:

- Rakel, B.A., Brennan, T., Herr, K., Fink, L. (2006). Hyperalgesia is experienced by older adults after total knee replacement [Abstract], *The Journal of Pain*, 7(5 – Suppl. 1) S18.
- Pasero, C., Rakel, B.A. & McCaffery, M. (2005). Postoperative pain management in older adults. In: D. Weiner & S. Gibson (Eds.), *Pain in the older adult*, IASP Press, St. Louis.
- Rakel, B.A. and Herr, K. (2004). Assessment and treatment of postoperative pain in older adults. *Journal of Perianesthesia Nursing*. 19(3): 194-208.
- Rakel, B.A., & Frantz, R. (2003). Effectiveness of transcutaneous electrical nerve stimulation (TENS) on postoperative pain with movement, *The Journal of Pain*, 4(8), 455-464.
- Rakel, B.A., & Barr, J.O. (2003). Physical modalities in chronic pain management. *Nursing Clinics of North America*, 38(3), 477-494.
- Rakel, B.A., & Titler, M.G. (2001). Pain management in critical care. *Critical Care Nursing Clinics of North America*, 13(2), W.B. Saunders Company.
- Titler, M., & Rakel, B.A. (2001). Non-pharmacologic treatment of pain. *Critical Care Nursing Clinics of North America*, 13(2), 221-232.
- Titler, M.G., Menten, J.C., Rakel, B.A., Abbott, L., & Baumler, S. (1999). From book to bedside: Putting evidence to use in the care of the elderly. *The Joint Commission Journal on Quality Improvement*, 25(10), 545-556.
- Rakel, B.A., Bermel, M.A., Abbott, L.I., Baumler, S.K., Burger, M.R., Dawson, C.J., Heinle, J.A., & Ocheltree, I.M. (1998). Split-thickness skin graft donor site care: Quantitative synthesis of the research. *Applied Nursing Research*, 11(4), 174-182.