

**Mapping the Literature: A Bibliometric Analysis of Evidence Based Practice Literature in English Language Nursing Journals**  
**M. Jane Fayland, DNS(c), APRN, CCRN, CNS**  
**Michael E. DeBakey VA Medical Center**

**Problem:** Research is essential for defining the nursing profession, providing a mechanism for determining best practices, and advancing the science of nursing practice. Journal literature is the primary vehicle for communication between nursing research and practice.

**Evidence:** The bibliographic data was obtained using OVID interface for the CINAHL database. The search was limited to core nursing journals published between 1990-2005 using 22 keywords. All titles and abstracts were reviewed to find the number of times the phrase evidence-based occurred with each of the keywords.

**Strategy:** Bibliometric analysis provides insight into the growth of literature and the flow of knowledge within a specified field of academic research. Diffusion Theory provided a framework for mapping the literature of evidence-based nursing using bibliometric methodology.

**Practice Change:** Examination of bibliometric information provides information about the structure within the field and the development of the patterns of communication. Bibliometric analysis provides an account of publishing activities and is used as a benchmark to monitor the development of science and technology.

**Evaluation:** The bibliometric method used empiric data and quantitative analysis to trace formal communications in the form of published literature and to study the patterns of publications within a field. Both the Development of the Nursing Field (Descriptive Indicators) and the Structure of the Scientific Nursing Field (Relational Indicators) were analyzed.

**Results:** Findings indicated a strong growth rate in publications and references over time but a lack of collaborative effort among nurses.

**Recommendations:** To make necessary and sustainable changes in practice, healthcare professionals must find ways to accelerate the diffusion of knowledge within their organizations. Nurses must find effective ways to promote diffusion of new knowledge to keep pace with changes in the future. Nurses must develop programs of research and publish their research findings in the nursing literature.

**Bibliography:**

- Abdellah, F.G. (1970). Overview of nursing research. *Nursing Research* 19: 239-252.
- Allen, M., Jacobs, S. K., & Levy, J. R. (2006). Mapping the literature of nursing: 1996-2000. *J Med Libr Assoc*, 94(2), 206-220.
- Allen, M., Jacobs, S. K., & Vieira, D. (2003). Mapping the literature of nursing project protocol. *Nursing and Allied Health Resources Section Task Force on Mapping the Literature of Nursing* Retrieved April 7, 2007, <http://nahrs.library.kent.edu/activity/mapping/nursing/protocol.pdf>
- American Nurses Credentialing Center (ANCC). (2005) *Magnet recognition program: Recognizing excellence in nursing services application manual*. Silver Spring, MD: American Nurses Credentialing Center.
- Amin, M. & Mabe, M. (2000). Impact factors: use and abuse. *Perspectives in Publishing* 1, 2-6.

- Armstrong, M.L., & Gessner, B.A. (1991). Is reading part of the lifelong learning process for RNs? *Journal of Nursing Staff Development*, 7(1), 21-26.
- Baggs, J. (2005). International Academy of Nursing Editors. *Res Nurs Health* 28, 1-2.
- Balas, E. A., & Boren, S. A. (2000). *Managing clinical knowledge for healthcare improvements*. Germany: Schattauer Publishing Company.
- Banning, M. (2005). Conceptions of evidence, evidence-based medicine, evidence-based practice and their use in nursing: independent nurse prescribers' views. *Journal of Clinical Nursing* 14(4), 411-417
- Belcher, J. V. R. & Vonderhaar, K.J. (2005). Web-delivered research-based nursing staff education for seeking magnet status. *JONA* 35(9): 382-386.
- Berk, R.A., & Nanda, J.P. (1994). Healthcare Needs Scales for patients with HIV/AIDS: construct validation. *Journal of the Association of Nurses in AIDS Care*, 5(1): 13-25.
- Bero, L., & Rennie, D. (1995). The Cochrane Collaboration: Preparing, maintaining, and disseminating systematic reviews of the effects of health care. *Journal of the American Medical Association* 274(24), 1935-1938.
- Boolean Techniques. (2006). Retrieved August 26, 2007, 2007, from <http://www.hickorygov.com/library/ref/Pathfinders/basicboolean.htm>
- Bottrell, M. M. (2003). The ethics of quality improvement: Practitioners' perspective. Retrieved August 26, 2007, from <http://www.innovation.cc/peer-reviewed/bottrell-ethics.pdf>
- Bradford, S. C. (1934). Sources of information on specific subjects. *Engineering*, 137, 85-86.
- Brandon/Hill lists discontinued. (2004). *MLA News*, 368(August), 4.
- Brett, J. L. (1987). Use of nursing practice research findings. *Nursing Research*, 36(6), 344-349.
- Broome, M. (2005). Ratings and rankings: judging the evaluation of quality. *Nursing Outlook*, 53,215-16.
- Bryar, R. M., Closs, S. J., Baum, G., Cooke, J., Griffiths, J., Hostick, T., et al. (2003). The Yorkshire BARRIERS project: diagnostic analysis of barriers to research utilisation. *International Journal of Nursing Studies* 40(1), 73-84
- Burns, N., & Grove, S. K. (2005). *The practice of nursing research: conduct, critique, and utilization* (5th ed.). St. Louis: Elsevier Saunders.
- Chudyk, M. E. (1995). Interdisciplinary diffusion of nutrition directives: A bibliometric analysis of literature in medicine, nursing, nutrition/dietetics, and health education. *Dissertation Abstracts International*. (UMI No. 9612369)
- Ciliska, D. K., Pinelli, J., DiCenso, A., & Cullum, N. (2001). Resources to enhance evidence-based nursing practice. *AACN Clin Issues*, 12(4), 520-528.
- Clarke, J. B. (1999). Evidence-based practice: A retrograde step? The importance of pluralism in evidence generation for the practice of health care. *Journal of Clinical Nursing*, 8(1), 89-94.
- Cochrane, A. L. (1989). Archie Cochrane in his own words. Selections arranged from his 1972 Introduction to "Effectiveness and efficiency: Random reflections on the health service." *Controlled Clinical Trials*, 10(4), 428-433.
- Collins, H. (1985). *Changing order, replication and induction in scientific practice*. Beverly Hills: Sage.

- Cooke, L., Smith-Idell, C., Dean, G., Gemmill, R., Steingass, S., Sun, V., et al. (2004). "Research to practice": a practical program to enhance the use of evidence-based practice at the unit level. *Oncol Nurs Forum*, 31(4), 825-832.
- Cope, D. (2003). From research to clinical practice. Evidence-based practice: making it happen in your clinical setting. *Clinical Journal of Oncology Nursing*, 7(1), 97-98.
- Cormack, J. C. (2002). Evidence-based practice... what is it and how do I do it? *Journal of Orthopaedic and Sports Physical Therapy* 32(10), 484-487.
- Cretin, S., Farley, D. O., Dolter, K. J., & Nicholas, W. (2001). Evaluating an integrated approach to clinical quality improvement: clinical guidelines, quality measurement, and supportive system design. *Med Care*, 39(8 Suppl 2), II70-84.
- Cullum, N. (1998). Evidence-based practice. *Nursing Management*, 5(3), 32-35.
- D'Auria, J.P. (1992). A bibliometric analysis of published maternal and child health nursing research from 1976 to 1990. *Dissertation Abstracts International*. (UMI No. 9225560)
- D'Auria, J.P. (2006). Bibliometrics. In J.J. Fitzpatrick & M. Wallace (Eds.), *Encyclopedia of Nursing Research* (pp. 30-34). New York: Springer Publishing Company.
- DeBourgh, G. A. (2001). Champions for evidence-based practice: a critical role for advanced practice nurses. *Clinical Issues in Advanced Practice Acute Critical Care*, 12(4), 491-508.
- DePalma, J. A. (2000). Evidence-based clinical practice guidelines. *Seminars in Perioperative Nursing*, 9, 115-120.
- DiCenso, A., Cullum, N., & Ciliska, D. (1998). Implementation forum. Implementing evidence-based nursing: some misconceptions. *Evidence-Based Nursing* 1(2), 38-40.
- Dickersin, K., & Manheimer, E. (1998). The Cochrane Collaboration: Evaluation of health care and services using systematic reviews of the results of randomized controlled trials. *Clinical Obstetrics and Gynecology*, 41(2), 315-331.
- Document Types. (October 17, 2005). Retrieved August 27, 2007, 2007, from <http://www.cinahl.com/library/doctypes.htm>
- Dracup, K. A., & Breu, C. S. (1978). Using nursing research findings to meet the needs of grieving spouses. *Nurs Res*, 27(4), 212-216.
- Duffy, M. E. (2005). Resources for critically appraising quantitative research evidence for nursing practice. *Clin Nurse Spec*, 19(5), 233-235.
- Enkin, M. (1992). Current overviews of research evidence from controlled trials in midwifery obstetrics. *Journal of the Society of Obstetricians and Gynecologists of Canada*, 9, 29-33.
- Ervin, N. E. (2005). Clinical coaching: a strategy for enhancing evidence-based nursing practice. *Clinical Nurse Specialist* 19(6), 296-301.
- Estabrooks, C. A. (1998). Will evidence-based nursing practice make practice perfect? *Can J Nurs Res*, 30(1), 15-36.
- Estabrooks, C. A. (1999a). The conceptual structure of research utilization. *Res Nurs Health*, 22(3), 203-216.
- Estabrooks, C. A. (1999b). Will evidence-based nursing practice make practice perfect? 1998. *Can J Nurs Res*, 30(4), 273-294.
- Estabrooks, C. A., Winther, C., & Derksen, L. (2004). Mapping the field: a bibliometric analysis of the research utilization literature in nursing. *Nurs Res*, 53(5), 293-303.

- Evidence-Based Medicine Working Group, E. (1992). Evidence-based medicine: A new approach to teaching the practice of medicine. *Journal of the American Medical Association*, 268, 2420-2421.
- Fayland, J., & Rice, K. (2005). *Unraveling the mystery behind evidence-based practice for staff nurses: A bibliometric analysis pilot study*: Unpublished manuscript, Louisiana State University Health Sciences Center, New Orleans.
- Feasey, S., & Fox, C. (2001). Benchmarking evidence-based care. *Paediatric Nursing*, 13(5), 22-25.
- Fink, R., Thompson, C. J., & Bonnes, D. (2005). Overcoming barriers and promoting the use of research in practice. *Journal of Nursing Administration* 35(3), 121-129.
- Flaherty, R. J., Friedland, D. J., Paauw, D. S., & Deblinger, L. (2001). Medical myths: today's perspectives. *Patient Care*, 15(September), 4-10.
- Foster, R. L. (2004). Challenges in teaching evidence-based practice. *J Spec Pediatr Nurs*, 9(3), 75-76.
- Freda, M.C. (2005). AAN News & Opinion: Don Quixote, David and me. *Nursing Outlook*, 54, 58-59.
- French, P. (1999). The development of evidence-based nursing. *Journal of Advanced Nursing* 29(1), 72-78.
- French, P. (2002 ). What is the evidence on evidence-based nursing? An epistemological concern. *Journal of Advanced Nursing*, 37(3), 250-257.
- Funk, S. G., Champagne, M. T., Wiese, R. A., & Tornquist, E. M. (1991). Barriers to using research findings in practice: the clinician's perspective. *Appl Nurs Res*, 4(2), 90-95.
- Gagan, M., & Hewitt-Taylor, J. (2004 ). Professional issues. The issues for nurses involved in implementing evidence in practice. *British Journal of Nursing* 13(20), 1216-1220.
- Gauthier, E. (1998). Bibliometric analysis of scientific and technological research: a user's guide to the methodology. Retrieved April 7,2007 from <http://www.statcan.ca/english/research/88F0006X1E/88F0006X1B1998008.pdf>
- Geisler, E. (2000). *The metrics of science and technology*. London: Quaorum Books.
- Gerrish, K., & Clayton, J. (2004). Promoting evidence-based practice: an organizational approach. *Journal of Nursing Management* 12(2), 114-123.
- Glanzel, W. (2003). Bibliometrics as a research field. Retrieved August 28, 2006 from [http://www.norslis.net/2004Bib\\_Module\\_KUL.pdf#seach=%22bibliometrics%22](http://www.norslis.net/2004Bib_Module_KUL.pdf#seach=%22bibliometrics%22)
- Goode, C. J. (2003). Evidence-based practice. In K. S. Oman, M. E. Krugman & R. M. Fink (Eds.), *Nursing research secrets*. Philadelphia: Hanley and Belfus.
- Goode, C. J., & Piedalve, F. (1999). Evidence-based clinical practice. *Journal of Nursing Administration* 29(6), 15-21.
- Gray, J. A. M. (1997). *Evidence-based healthcare. How to make health policy and management decisions*. New York: Churchill Livingstone.
- Grimes, D. A. (1995). Introducing evidence-based medicine into a department of obstetrics and gynecology. *Obstet Gynecol*, 86(3), 451-457.
- Guyatt, G. H. (1991). Editorial. Evidence-based medicine. *Annals of Internal Medicine*, 114(ACP Journal Club, Suppl 2), A-16.

- Guyatt, G. H., Sackett, D. L., Sinclair, J. C., Hayward, R., Cook, D. J., & Cook, R. J. (1995). Users' guides to the medical literature. IX. A method for grading health care recommendations. *Journal of the American Medical Association*, 274(22), 1800-1804.
- Harrison, M.B., Stephenson, D.K., & Burchett, H.J. (1993). Children with central lines: evidence-based practice. *Canadian Nurse*, 89(1): 18-20.
- Heater, B. S., Becker, A. M., & Olson, R. K. (1988). Nursing interventions and patient outcomes: a meta-analysis of studies. *Nurs Res*, 37(5), 303-307.
- Health IT strategic framework: readiness for change in health care. (November 9, 2004). Retrieved February 4, 2005 from <http://www.hhs.gov/healthit/readiness.html>
- Hicks, D. (1987). Limitations of co-citation analysis as a tool for science policy. *Social Studies of Science* 17, 295-316.
- Hill, D. R., & Stickell, H. N. (2002). Brandon/Hill selected list of print nursing books and journals. *Nursing Outlook*, 50(3), 100-113.
- Hodge, M., Kochie, L. D., Larsen, L., & Santiago, M. (2003). Clinician-implemented research utilization in critical care. *Am J Crit Care*, 12(4), 361-366.
- Horsley, J. A., Crane, J., Crabtree, M. K., & Wood, D. J. (1983). *Using research to improve nursing practice: A guide (CURN Project)*. New York: Grune & Stratton.
- Hunt, J. M. (1996). Guest Editorial. *Journal of Advanced Nursing*, 23, 423-425.
- Ingersoll, G. L. (2000). Evidence-based nursing: what it is and what it isn't. *Nurs Outlook*, 48(4), 151-152.
- Institute of Medicine. (2001). *Crossing the Quality Chasm: A New Health System for the 21st Century*. Washington, D.C.: National Academy Press.
- Jadad, A. R., & Haynes, R. B. (1998). The Cochrane Collaboration: Advances and challenges in improving evidence-based decision making. *Medical Decision Making*, 18(1), 2-9.
- Jassak, P. F. (2001). Introduction: evidence-based oncology nursing practice: improving patient outcomes in the next millennium. *Oncology Nursing Forum* 28(2), Suppl: 3-4.
- Jennings, B. M., & Loan, L. A. (2001). Misconceptions among nurses about evidence-based practice. *Journal of Nursing Scholarship* 33(2), 121-127.
- Johnson, M. B. (1988). The diffusion of an innovation: The holistic paradigm in nursing. *Dissertation Abstracts International*. (UMI No. 8823542)
- Kitson, A. (2002). Recognising relationships: reflections on evidence-based practice. *Nurs Inq*, 9(3), 179-186.
- Krueger, J. C. (1978). Utilization of nursing research: the planning process. *J Nurs Adm*, 8(1), 6-9.
- Lindeman, C.A. (1975). "Nursing research priorities." *J Nurs Adm*, 5(6): 20-1.
- Lievrouw, L. A. (1989). The invisible college reconsidered: Bibliometrics and the development of scientific communication theory. *Communication Research*, 16(5), 450-454.
- Lotka, A. J. (1926). Frequency distribution of scientific productivity. *Journal of Washington Academic Science*, 16, 317-323.
- Machiavelli, N. (1513/1961). *The Prince* (G. Bull, Trans.). Baltimore: Penguin books.
- McKenna, H. P., Ashton, S., & Keeney, S. (2004). Barriers to evidence-based practice in primary care. *J Adv Nurs*, 45(2), 178-189.

- Meah, S., Luker, K. A., & Cullum, N. A. (1996). An exploration of midwives' attitudes to research and perceived barriers to research utilisation. *Midwifery*, *12*, 73-84.
- Melnyk, B. M., & Fineout-Overholt, E. (2005). Evidence-based practice. Rapid critical appraisal of randomized controlled trials (RCTs): an essential skill for evidence-based practice (EBP). *Pediatric Nursing*, *31*(1), 50-52.
- Merton, R.K. (1968). The Matthew effect in science. *Science*, *159*(3810), 56-63.
- Michel, Y., & Sneed, N. (1995). Dissemination and use of research findings in nursing practice. *Journal of Professional Nursing*, *11*, 306-311.
- Milner, F. M., Estabrooks, C. A., & Humphrey, C. (2005). Clinical nurse educators as agents for change: increasing research utilization. *International Journal of Nursing Studies* *42*(8), 899-914
- Mitchell, G. J. (1999). Evidence-based practice: Critique and alternative view. *Nursing Science Quarterly*, *12*, 30-35.
- Monastersky, R. (2005). The number that's devouring science. *Chronicles of Higher Education*, *52*, A12.
- Morris, M., Scott-Findlay, S., & Estabrooks, C. A. (2001). Evidence-based nursing Web sites: finding the best resources. *AACN Clin Issues*, *12*(4), 578-587.
- Naish, J. (1997). So where's the evidence? *Nursing Times*, *93*(12), 64-66.
- Nicholas, D., & Ritchie, M. (1978). *Literature and bibliometrics*. London: Clive Bingley.
- Oermann, M. H., Floyd, J. A., Galvin, E. A., & Roop, J. C. (2006). Brief Reports for Disseminating Systematic Reviews to Nurses. [Article]. *Clinical Nurse Specialist* *20*(5), 233-238.
- Okubo, Y. (1997). Bibliometric indicators and analysis of research systems: Methods and examples., *STI Working Papers*. Paris: OECD.
- Olade, R. A. (2004). Strategic collaborative model for evidence-based nursing practice. *Worldviews on Evidence-Based Nursing*, *1*(1 ), 60-68.
- O'Neill, A.L. and Duffey, M.A. (2000). Communication of research and practice knowledge in nursing literature. *Nursing Research* *49*(4): 224-30.
- OVID Search Tips. (2006, November 8, 1996). Retrieved October 26, 2007 from <http://www.library.yale.edu/scilib/help/ovidtips.html>
- Palmquist, R. Bibliometrics. Retrieved August 25, 2006 from <http://www.ischool.utexas.edu/~palmquis/courses/biblio.html>
- Pardo, C., Reolid, M., Delicado, M. V., Mallebrera, E., & Garcia-Meseguer, M. J. (2001). Nursing research in Spain: bibliometrics of references of research papers in the decade 1985-1994. *Journal of Advanced Nursing*, *35*(6), 933-943.
- Pearson, A. (1997). Basing practice on the evidence. *Australian Nursing Journal*, *5*(5), 22.
- Peterson, W.E., Charles, C., DiCenso, A, Sword, W. (2005). The Newcastle Satisfaction with Nursing Scales: A valid measure of maternal satisfaction with inpatient postpartum nursing care. *Journal of Advanced Nursing* *52*(6): 672-81
- Pierce, S. (2000). Readiness for evidence-based practice: information literacy needs of nursing faculty and students in a southern U.S. state. *Dissertation Abstracts International*. (UMI No. 3035514)
- Pierce, S. J. (1987). Characteristics of professional knowledge structures: Some theoretical implications of citation studies. *Library and information studies research*, *9*, 143-171.

- Polit, D. F., Beck, C. T., & Hungler, B. P. (2001). *Essentials of nursing research: methods, appraisal, and utilization* (5th ed.). Philadelphia: Lippincott.
- Potter, W.G. (1988). Of making many books there is no end: Bibliometrics and libraries. *The Journal of Academic Librarianship* 14(Sepember), 238a-238c (insert between 238 and 239).
- Pravikoff, D. S., & Donaldson, N.E. (2001). Online journals: access and support for evidence-based practice. *AACN Clin Issues* 12(4): 588-96
- Pravikoff, D. S., Tanner, A. B., & Pierce, S. T. (2005). Readiness of U.S. nurses for evidence-based practice. *Am J Nurs*, 105(9), 40-51; quiz 52.
- Rodgers, S. E. (2000). The extent of nursing research utilization in general medical and surgical wards. *Journal of Advanced Nursing*, 32(1), 182-193.
- Rogers, E. M. (2003). *Diffusion of Innovations* (5th ed.). New York: Free Press.
- Rosenberg, W., & Donald, A. (1995). Evidence based medicine: An approach to clinical problem-solving. *British Medical Journal*, 310(6987), 1122-1126.
- Rycroft-Malone, J., Harvey, G., Seers, K., Kitson, A., McCormack, B., & Titchen, A. (2004). An exploration of the factors that influence the implementation of evidence into practice. *Journal of Clinical Nursing* 13(8), 913-924.
- Sackett, D. L., Rosenberg, W., Gray, J. M., Haynes, R. B., & Richardson, W. S. (1996). Evidence based medicine: What it is and what it isn't. *British Medical Journal*, 312(7023), 71-72.
- Sackett, D. L., Strauss, S. E., Richardson, W. S., Rosenberg, W., & Haynes, R. B. (2000). *Evidence based medicine: How to practice and teach EBM* (2nd ed.). London: Churchill Livingstone.
- Scullion, P. A. (2002). Effective dissemination strategies. *Nurse Res*, 10(1), 65-77.
- Shorten, A., & Wallace, M. (1997). Evidence-based practice: When quality counts. *Australian Nursing Journal*, 4(11), 26-27.
- Silverman, R.J. (1985). Higher education as a maturing field? Evidence from referencing practices. *Research in Higher Education* 23, 150-183.
- Simpson, B. (1996). Evidence-based nursing practice: State of the art. *Canadian Nurse*, 92(11), 22-25.
- Skinner, K., & Miller, B. (1989). Journal reading habits of registered nurses. *The Journal of Continuing Education in Nursing*, 20(4), 170-173.
- Stephens, L.C., Selig, C.L., Jones, L.C., & Gaston-Johansson, F. (1992). Research applications: Teaching staff nurses to use library use strategies. *The Journal of Continuing Education in Nursing* 23(1), 24-28.
- Stetler, C. B. (1994). Refinement of the Stetler/Marram model for application of research findings to practice. *Nurs Outlook*, 42(1), 15-25.
- Stetler, C. B. (2001a). Evidence-based nursing: what it is and what it isn't. *Nurs Outlook*, 49(6), 286.
- Stetler, C. B. (2001b). Updating the Stetler Model of research utilization to facilitate evidence-based practice. *Nurs Outlook*, 49(6), 272-279.
- Stetler, C. B. (2003). Role of the organization in translating research into evidence-based practice. *Outcomes Manag*, 7(3), 97-103; quiz 104-105.
- Stetler, C. B., Brunell, M., Giuliano, K. K., Morsi, D., Prince, L., & Newell-Stokes, G. (1998). Evidence-based practice and the role of nursing leadership. *Journal of Nursing Administration*, 28(7/8), 45-53.

- Stevens, K. R., & Ledbetter, C. A. (2000). Basics of evidence-based practice. Part 1: The nature of the evidence. *Semin Perioper Nurs*, 9(3), 91-97.
- Thomson Scientific. Retrieved February 4, 2007 from <http://scientific.thomson.com/isi/>
- Titler, M. G., Kleiber, C., Steelman, V., Goode, C., Rakel, B., Barry-Walker, J., et al. (1994). Infusing research into practice to promote quality care. *Nurs Res*, 43(5), 307-313.
- Turkel, M. C. (2004). *Magnet Status: Assessing, Pursuing, and Achieving Nursing Excellence*. Marblehead, MA: HC Pro, Inc.
- United States Department of Health and Human Services. (2005). Health IT strategic framework: readiness for change in health care. Retrieved February 4, 2007 from <http://www.hhs.gov/healthit/readiness.html>
- VanMullem, C., Burke, L. J., Dohmeyer, K., et al. (1999). Strategic planning for research use in nursing practice. *Journal of Nursing Administration*, 29(12), 38-45.
- Walsh, M. (1997). How nurses perceive barriers to research implementation. *Nurs Stand*, 11(29), 34-39.
- White, S. J. (1997). Evidence-based practice and nursing: The new panacea? *British Journal of Nursing* 6(3), 175-178.
- Winter, J. C. (1990). Brief: relationship between sources of knowledge and use of research findings. *The Journal of Continuing Education in Nursing*, 21(3), 138-140.
- Wright, S. M. (2001). Contribution of a lecturer-practitioner in implementing evidence-based health care. *Accid Emerg Nurs*, 9(3), 198-203.
- Youngblut, J. M., & Brooten, D. (2001). Evidence-based nursing practice: why is it important? *AACN Clin Issues*, 12(4), 468-476.