

**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

**RESEARCH**

2010. *Pain Assessment In The Intensive Care Unit: Development and Psychometric Testing Of The Nonverbal Pain Assessment Tool (NPAT)*.

2007. Hill, K., Klein, D.G., McHugh, R., Soat, M., *Evaluating the Impact of a Standardized Order Set on the Process of Withdrawing Life-Sustaining Treatment from Patients in the Adult ICUs*. [Recipient, 2007 End of Life/Palliative Care Grant; American Association of Critical-Care]

2003. Klein, D.G. *Resource Utilization and Outcomes for Patients in ICU*. Case Western Reserve University, Cleveland Clinic Foundation.

2003. Dumpe, M. and Klein D.G. *Psychometric Evaluation of the Nonverbal Pain Assessment Tool*. Cleveland Clinic Foundation.

1992. Klein, D.G. (site coordinator). *Intrahospital Transport of the Critically Ill: A Multisite Study*. University of Michigan.

1991. Klein, D.G., *A Comparison of Pulmonary Artery, Rectal, and Tympanic Membrane Temperature in the Intensive Care Unit*.

1987. Govoni, A. and Klein, D.G., *Assessment of Pain by Registered Nurses*.

1982. Klein, D.G., *Accuracy of Room Temperature vs. Ice Temperature Injectate for Thermodilution Cardiac Output Determination*.

**PUBLICATIONS**

**Research**

**Klein, D.G.**, Dumpe M. et al, "Pain Assessment In The Intensive Care Unit: Development and Psychometric Testing Of The Nonverbal Pain Assessment Tool (NPAT)". *Heart & Lung - The Journal of Acute and Critical Care*. 39(6), 2010, 521-528.

**Klein, D.G.** et al, "A Comparison of Pulmonary Artery, Rectal, and Tympanic Membrane Temperature in the Intensive Care Unit". *Heart & Lung*. 22(5), 1993, 435-441.

**Literature Reviews**

Griffin, M.T., **Klein, D.G.**, Winkelman, C. "Cardiovascular Genomics: Implications for Acute and Critical Care Nurses". *Dimensions in Critical Care Nursing*. 32(5), 2013, 213-221.

**Klein, D.G.** "Obesity: Good or Bad?". *The Connection*. American Association of Heart Failure Nurses. 31, 2012, 10-11.

**Klein, D.G.** "Current Trends in Cardiac Transplantation". *Critical Care Nursing Clinics of North America*. 19(4), 2007, 445-460.

**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

Hill, K., **Klein D.G.** "Transcutaneous Carbon Dioxide (CO<sub>2</sub>) Monitoring". Critical Care Clinics of North America. 18(2), 2006, 211-215.

**Klein, D.G.** "Thoracic Aortic Aneurysms". Journal of Cardiovascular Nursing. 20(4), 2005, 245-250.

**Klein, D.G.** "Management Strategies for Improving Outcome Following Severe Head Injury". Critical Care Nursing Clinics of North America. 11(2), 1999, 209-225.

**Klein, D.G.** "Prone Positioning in the Patient with Acute Respiratory Distress Syndrome (ARDS) - The Vollman Prone Positioner". Critical Care Nurse. 19(4), 1999, 66-71.

Peerless, J.R., Davies, A., **Klein, D.G.**, and Yu, D. "Skin Complications in the Intensive Care Unit". Clinics in Chest Medicine. 20(2), 1999, 453-467.

**Klein, D.G.** "Trauma". Guest Editor. AACN Clinical Issues in Critical Care Nursing. 6(2), 1995.

Ellis, M. and **Klein, D.G.** "Implementing Neuromuscular Blockade Monitoring in a Surgical Intensive Care Unit". Clinical Nurse Specialist. 9(3), 1995, 134-139.

**Klein, D.G.**, Fritsch, D.E., and Amin, S.G., "Wound Infection Following Trauma and Burn Injuries". Critical Care Nursing Clinics of North America. 7(4), 1995, 627-642.

Fritsch, D. and **Klein, D.G.** "Ludwig's Angina". Heart & Lung. 21 (1), 1992, 39-47.

**Klein, D.G.** "Trauma". Guest Editor. AACN Clinical Issues in Critical Care Nursing. 1 (3), 1990.

**Klein, D.G.** "Physiologic Responses to Traumatic Shock". AACN Clinical Issues in Critical Care Nursing. 1 (3), 1990, 505-521.

Ahrens, T., **Klein, D.G.**, et al., AACN Competence Statement for the Critical Care Clinical Nurse Specialist. AACN, 1989.

Gawlinski, A. and **Klein, D.G.** "The CNS and the Nursing Shortage." AACN News. March, 1988, 3.

**Klein, D.G.** and O'Malley, P. "Topical Injury from Chemical Agents: Initial Treatment". Heart & Lung. January, 1987, 49-54.

**Klein, D.G.** "I.C.U.: It's Also the Intensive Communication Unit". Nursing Life. January/February, 1986, 46-47.

**Klein, D.G.** "The Multi-Lumen Central Venous Catheter". Journal of Burn Care and Rehabilitation. May/June, 1984, 236-238.

**Klein, D.G.** Health-Protective Behaviors of Professional Nurses. Thesis - on file at Health Sciences Library, Cleveland, Ohio, 1982.

**Books and Book Chapters**



**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

Sole, M.L., **Klein, D.G.**, Mosley, M. (Editors). Introduction to Critical Care Nursing. 6<sup>th</sup> edition. Philadelphia, Elsevier, 2013.

**Klein, D.G.** "Code Management" in M.L. Sole, **D.G. Klein**, M. Mosley, (Editors). Introduction to Critical Care Nursing. 6<sup>th</sup> edition. Philadelphia, Elsevier, 2013.

Stewart-Amidei, C., **Klein, D.G.** "The Nervous System" in M.L. Sole, **D.G. Klein**, M. Mosley, (Editors). Introduction to Critical Care Nursing. 6<sup>th</sup> edition. Philadelphia, Elsevier, 2013.

**Klein, D.G.** "Cardiac Output Measurement Techniques (Invasive)" in D. Lynn-McHale Wiegand, (Editor). AACN Procedure Manual for Critical Care. 6<sup>th</sup> edition. Philadelphia, Elsevier, 2011.

**Klein, D.G.** "Code Management" in M.L. Sole, **D.G. Klein**, M. Mosley, (Editors). Introduction to Critical Care Nursing. 5<sup>th</sup> edition. Philadelphia, Elsevier, 2009.

Sole, M.L., **Klein, D.G.**, Mosley, M. (Editors). Introduction to Critical Care Nursing. 5<sup>th</sup> edition. Philadelphia, Elsevier, 2009.

**Klein, D.G.** "The Nervous System" in M.L. Sole, **D.G. Klein**, M. Mosley, (Editors). Introduction to Critical Care Nursing. 5<sup>th</sup> edition. Philadelphia, Elsevier, 2009.

**Klein, D.G.** "Documenting Clinical Outcomes" in M. Duffy, S. Dresser, J. Fulton, (Editors). Clinical Nurse Specialist Toolkit: A Guide for the New Clinical Nurse Specialist. New York, Springer Publishing Company, 2009.

**Klein, D.G.** "Nurses in Intensive Care" in D. Mosier & B. Riegel (Editors). Cardiac Nursing: A Companion to Braunwald's Heart Disease. Philadelphia, Saunders Elsevier, 2008.

**Klein, D. G.** "From Novice to Expert: CNS Competencies" in M. McKinley, (Editor). Acute and Critical Care Clinical Nurse Specialists: Synergy for Best Practices. Philadelphia, Saunders Elsevier, 2007.

Swanson, R., Klein D.G. "Comfort and Sedation" in M.L. Sole, **D.G. Klein**, M. Mosley, (Editors). Introduction to Critical Care Nursing. 4<sup>th</sup> edition. Philadelphia, Elsevier, 2005.

Sole, M.L., **Klein, D.G.**, Mosley, M. (Editors). Introduction to Critical Care Nursing. 4<sup>th</sup> edition. Philadelphia, Elsevier, 2005.

Klein, D.G. "Code Management" in M.L. Sole, **D.G. Klein**, M. Mosley, (Editors). Introduction to Critical Care Nursing. 4<sup>th</sup> edition. Philadelphia, Elsevier, 2005.

**Klein, D.G.** "Trauma". In M.L. Sole, J. Hartshorn, M. Lamborn, (Editors). Introduction to Critical Care Nursing. 3<sup>rd</sup> Edition. Philadelphia, W.B. Saunders Company, 2001.

**Klein, D.G.** "Renal System". In T. Ahrens, D. Prentice, Critical Care Certification: Preparation & Review. 4th Edition. Norwalk, CT, Appleton & Lange, 1998, 507-550.



**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

**Klein, D.G.** "Advanced Neurological Concepts". In M. Chulay, C.E. Guzzetta, B. Dossey, Handbook of Critical Care Nursing. Norwalk, CT, Appleton & Lange, 1997, 503-527.

**Klein, D.G.** "Patient with Trauma". In J. Clochesy, C. Breu, S. Cardin, A. Whittaker, E. Rudy, Critical Care Nursing. 2nd Edition. Philadelphia, W.B. Saunders Company, 1996, 1335-1358.

**Klein, D.G.** "Critical Care Clinical Nurse Specialist: Novice to Expert". In A. Gawlinski, L. Kerns, Educator's Supplement for the Clinical Nurse Specialist Role in Critical Care. Aliso Viejo, CA, AACN, 1995, 11-16.

**Klein, D.G.** "The Critical Care Clinical Nurse Specialist: Novice to Expert". In A. Gawlinski, L. Kerns, The Clinical Nurse Specialist Role in Critical Care. Philadelphia, W.B. Saunders Company, 1994, 24-39.

**Klein, D.G.** "Renal System". In T. Ahrens, D. Prentice, Critical Care Certification: Preparation & Review. 3rd Edition. Norwalk, CT, Appleton & Lange, 1993, 285-325.

**Klein, D.G., Fritsch, D., Yurko, L.** "The Patient with Burns". In B. Long, W. Phipps, V. Cassmeyer, Medical-Surgical Nursing: A Nursing Process Approach. 3rd Edition. St. Louis, C.V. Mosby Company, 1993, 1500-1533.

**Klein, D.G.** "Management of Burns". In W. Phipps, B. Long, N. Woods, V. Cassmeyer, Medical-Surgical Nursing: Concepts and Clinical Practice. 4th Edition. St. Louis, C.V. Mosby Company, 1991, 2157-2190.

**Klein D.G.** "Renal System". In T. Ahrens, Critical Care Certification Review. 2nd Edition. Norwalk, CT, Appleton & Lange, 1990, 221-262

**Klein, D.G.** "Thermal Injury". In M. Shekleton, K. Litwack, Critical Care Nursing of the Surgical Patient. Philadelphia, W. B. Saunders Company, 1990, 585-630.

**Klein, D.G.** "The Patient with Burns". In B. Long, W. Phipps, Essentials of Medical-Surgical Nursing: A Nursing Process Approach. 2nd Edition. St. Louis, C.V. Mosby Company, 1989, 1407-1440.

**Klein, D.G.** "Intervention for the Person with Burns". In W. Phipps, B. Long, Medical-Surgical Nursing: Concepts and Clinical Practice. 3rd Edition. St. Louis: C.V. Mosby Company, 1987, 2001-2030.

**Book Review**

AACN Scope and Standards for Acute and Critical Care Clinical Nurse Specialist Practice, American Association of Critical-Care Nurses; Aliso Viejo, CA; 2010.

**PRESENTATIONS**

"Chill and Ship: How to Safely Transfer Patients for Definitive Post Arrest Care" at Scientific Sessions 2013, American Heart Association; Dallas, Texas; November 2013.

"End-of-Life Nursing Education Consortium (ELNEC) Critical Care," Lake Erie Chapter, AACN; Cleveland, Ohio; September 2013.

**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

“Therapeutic Hypothermia after Cardiac Arrest,” at the China Heart Congress, Beijing, China; August 2013.

“Therapeutic Hypothermia after Cardiac Arrest: Strategies for a Successful Program,” at the National Teaching Institute, AACN, Boston, Massachusetts; May 2013.

“Developing a Winning Abstract & Poster,” at the 9<sup>th</sup> Annual Nursing Research Conference, Cleveland Clinic, Cleveland, Ohio; May 2013.

“Improving Heparin Infusion Administration and Monitoring: A Multidisciplinary Approach,” at the 9<sup>th</sup> Annual Nursing Research Conference, Cleveland Clinic, Cleveland, Ohio; May 2013. [poster presentation]

“Teaching an Old Dog New Tricks: Improving the Use of the Heparin Nomogram,” at the Quality and Patient Safety Innovation Summit, Cleveland Clinic, Cleveland, Ohio; May 2013. [poster presentation]

“End-of-Life Nursing Education Consortium (ELNEC) Critical Care,” Cleveland Clinic; Cleveland, Ohio; April 2013.

“Therapeutic Hypothermia After Cardiac Arrest, Oh the Places You’ll Go,” at Fairview Hospital; Cleveland, Ohio; March 2013.

“End-of-Life Nursing Education Consortium (ELNEC) Critical Care,” Cleveland Clinic; Cleveland, Ohio; November 2012.

“12 Lead ECG Interpretation” and “Therapeutic Hypothermia Post Cardiac Arrest: What is the Latest Evidence?” at Dimensions in Cardiac Care 2012, Cleveland Clinic; Cleveland, Ohio; September 2012.

“Mentoring Clinical Leaders as Bridge Builders,” at Celebrating CNS Practice: The CNS as a Bridge Builder, Cleveland Clinic; Cleveland, Ohio; September 2012.

“Improving Heparin Infusion Administration and Monitoring: A Multidisciplinary Approach,” at Dimensions in Cardiac Care 2012, Cleveland Clinic; Cleveland, Ohio; September 2012. [poster presentation]

“End-of-Life Nursing Education Consortium (ELNEC) Critical Care,” Cleveland Clinic; Cleveland, Ohio; January and June 2012.

“Therapeutic Hypothermia Post Cardiac Arrest: What is the Latest Evidence?” at the 2011 Cardiac and Critical Care Symposium, Trumbull Hospital; Warren, Ohio; November 2011.

“Therapeutic Hypothermia Post Cardiac Arrest: What is the Latest Evidence?” at the Cardiovascular Nursing Clinical Symposium 2011, Scientific Sessions 2011, American Heart Association; Orlando, Florida; November 2011.

“Empathy in the End of Life Care: Ethics, Morals, Costs,” at the Patient Experience Summit: Empathy and Innovation, Cleveland Clinic; Cleveland, Ohio; May 2011.

“12 Lead ECG Interpretation” and “Therapeutic Hypothermia Post Cardiac Arrest,” at Dimensions in Cardiac Care 2011, Cleveland Clinic; Cleveland, Ohio; April 2011.

**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

"Preventative Cardiology: Strategies for Success," at the United States State Department; Singapore, Malaysia; February 2011.

"Overcoming System Barriers to Providing Therapeutic Hypothermia," at the Scientific Sessions 2010, American Heart Association; Chicago, Illinois; November 2010.

"Publishing the Work of the CNS: Captivating Posters and Engaging Manuscripts," at Celebrating CNS Practice: Connecting, Collaborating, Creating, Cleveland Clinic, University Hospitals Case Medical Center, MetroHealth Medical Center; Cleveland, Ohio; October 2010.

"How to Develop an Abstract and Poster for Presentation," at the 2010 Nursing Research Fall Workshops, Cleveland Clinic; Cleveland, Ohio; October 2010.

"Hemodynamic Challenges," at the Lake Erie Chapter, AACN; Cleveland, Ohio; April, 2010.

"Techniques for Cooling; Therapeutic Hypothermia," at the Scientific Sessions 2009, American Heart Association; Orlando, Florida; November 2009.

"From Novice to Expert: Top 10 Things You Wish You Would Have Known About Being a CNS," at Celebrating CNS Practice: The Many Hats of the CNS, Cleveland Clinic; Cleveland, Ohio; October 2009.

"12 Lead ECG Interpretation" and "Cardiac Disease in Athletes," at Dimensions in Cardiac Care 2009, Cleveland Clinic; Cleveland, Ohio; September 2009.

"Characteristics of Patients Readmitted to the Coronary ICU," at the Cleveland Clinic Research Day; Cleveland, Ohio; May 2009.

"Characteristics of Patient Readmitted to the Coronary ICU (CICU)," at the National Teaching Institute, AACN; New Orleans, Louisiana; May 2009. [poster presentation]

"Writing for Publication: Strategies for Putting Fingers to the Keyboard" at Celebrating Clinical Nurse Specialist Practice, Cleveland Clinic; Cleveland, Ohio; September 2008.

"Psychometric Evaluation of the Nonverbal Pain Assessment Tool (NPAT)", Nursing Research in 2008: Helping Patients Navigate; Robinson Memorial Hospital, Summa Health System; Ravenna, Ohio; May 2008.

"Development of a Universal Nonverbal Pain Assessment Tool" at the National Teaching Institute, AACN; Chicago, Illinois; May 2008. [poster presentation]

"12 Lead ECG Interpretation," "Writing for Publication" and "So You Want to Be an APN" (panel member) at Dimensions in Cardiac Care 2008, Cleveland Clinic; Cleveland, Ohio; March, 2008.

"Patient Readmissions to the Coronary ICU (CICU)" at Dimensions in Cardiac Care 2008, Cleveland Clinic; Cleveland, Ohio; March 2008. [poster presentation]

"Educating Nursing Students to Critical Care Nursing" at Reclaiming Our Priorities: Our Students, Our Future: Acute and Critical Care Educators and Practitioners Collaborative, Lake Erie Chapter, AACN; Cleveland, Ohio;



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November 2007.

“Psychometric Evaluation of the Nonverbal Pain Assessment Tool (NPAT)” at Nursing Grand Rounds – Marymount Hospital; Cleveland, Ohio; September 2007.

“The Research Project is Completed – Now What?” at Nu Delta Chapter, Sigma Theta Tau, Cleveland State University; Cleveland, Ohio; September 2007.

“Development of a Universal Nonverbal Pain Assessment Tool” at Making Nursing Research a Reality: Perils and Practical Solutions, Cleveland Clinic; Cleveland, Ohio; May 2007. [poster presentation]

“Development of a Universal Nonverbal Pain Assessment Tool” at Dimensions in Cardiac Care 2007, Cleveland Clinic; Cleveland, Ohio; April 2007. [poster presentation]

“12 Lead ECG Interpretation,” “Valvular Heart Disease” and “So You Want to Be an APN” (panel member) at Dimensions in Cardiac Care 2007, Cleveland Clinic; Cleveland, Ohio; April 2007.

“The Research Project is Completed – Now What?” at Making Research a Reality, Cleveland Clinic Foundation; Cleveland, Ohio; May 2006.

“Aortic Valve Disease: Stenosis and Regurgitation” at the National Teaching Institute, AACN; New Orleans, Louisiana; May 2005.

“Aortic Valve Disease: Stenosis and Regurgitation” and “Mitral Valve Disease: Stenosis and Regurgitation” at the Midwest Conference, Northwest Chicago Area Chapter, AACN; Chicago Illinois; March 2006.

“12 Lead ECG Interpretation” and “Cardiovascular Disease in Athletes” at Dimensions in Cardiac Care, Cleveland Clinic Foundation; Cleveland, Ohio; March 2006.

“The Renal System” and “Multisystem Problems,” Critical Care Review Course (preparation for CCRN exam); Cleveland State University, Division of Continuing Education; Cleveland, Ohio; October 1996; April 1997; November 1997; May 1998; December 1998; December, 1999; May, 2000; November, 2000; May 2001; December 2001; October 2002; December, 2003; March, 2004; October 2004; December 2004.

“12 Lead ECG Interpretation” and “Writing for Publication” at Dimensions in Cardiac Care, Cleveland Clinic Foundation; Cleveland, Ohio; November 2004.

“Enhancing Patient Education after an Acute Myocardial Infarction (AMI): The AMI Notebook” at Dimensions in Cardiac Care, The Cleveland Clinic Foundation; Cleveland, Ohio; November 2004. [poster presentation]

“Resource Utilization and Outcomes for Obese Patients in the ICU” at the National Teaching Institute, AACN; Orlando, Florida; May 2004. [poster presentation]

“Metabolic Syndrome” at Northern Ohio Affiliate Chapter, American College of Cardiovascular Nursing; Canton, Ohio; April 2004.

**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

"The Heart Failure Special Care Unit: A Unique Setting for Managing Heart Failure" at the Heart Failure Summit VIII, The Cleveland Clinic Foundation; Cleveland, Ohio; October 2003. [poster presentation]

"Marfans Syndrome" at Dimensions in Cardiac Care, Cleveland Clinic Foundation; Cleveland, Ohio; September 2003.

"12 Lead ECG Interpretation" at Dimensions in Cardiac Care, Cleveland Clinic Foundation; Cleveland, Ohio; September 2003.

"The Heart Failure Special Care Unit: A Unique Setting for Managing Heart Failure" at Dimensions in Cardiac Care, The Cleveland Clinic Foundation; Cleveland, Ohio; September 2003. [poster presentation]

"Resource Utilization and Outcomes for Patients in ICU" at CCF Nursing Research: Understanding and Using Research Findings, Cleveland Clinic Foundation; Cleveland, Ohio; May 2003.

"Implementation of a New Directive for Acute Myocardial Infarction Patients" at the National Association of Clinical Nurse Specialists, National Conference 2003; Pittsburgh, Pennsylvania; March 2003. [poster presentation]

"Marfans Syndrome" at Lake Erie Chapter, AACN; Cleveland, Ohio; September 2002.

"Implementation of a New Directive for Patients with Acute Myocardial Infarction" at the Emergency Nurses Association, 2002 Annual meeting; New Orleans, Louisiana; September 2002. [poster presentation]

"Time to Treatment of Acute Myocardial Infarction Patients at Dimensions in Cardiac Care, The Cleveland Clinic Foundation; Cleveland, Ohio; February 2002. [poster presentation]

"Multisystem Organ Failure" at the Northeast District, Ohio Society for Respiratory Care; Cleveland, Ohio; August 2001.

"Overview of Percutaneous Coronary Interventions" at Dimensions in Cardiac Care, Cleveland Clinic Foundation; Cleveland, Ohio; April 2001.

"Multisystem Organ Failure" at Dimensions in Cardiac Care, Cleveland Clinic Foundation; Cleveland, Ohio; April 2001.

"Troponin T and Other Cardiac Markers for Acute Coronary Care Syndrome" at the Cardiovascular Symposium, Forum Health; Youngstown, Ohio; February 2001.

"Acute Renal Failure" at Unraveling the Renal System, Lake Erie Chapter, AACN; Cleveland, Ohio; September, 1999.

"Neuro Update: Dealing with the Pressure" at The Anatomy of Critical Care: Today's Impact on Tomorrow's Nurse, Lake Erie Chapter, AACN; Cleveland, Ohio; April 1999.

"Traumatic Wound Infections: Strategies for Healing" at the Lake Erie Chapter, AACN; Cleveland, Ohio; November 1997.



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“Traumatic Wound Infections: Strategies for Healing” at the Metro Life Flight/Critical Care Symposium; Cleveland, Ohio; May 1997.

“Death by Inflammation: Multiple Organ Dysfunction Syndrome (MODS)” at the Metro Life Flight/Critical Care Symposium; Cleveland, Ohio; May 1996.

“Sepsis” at the Greater Cleveland Chapter of Hadassah, Nurses Council; Cleveland, Ohio; November 1995.

“Renal Failure in the Medical-Surgical Patient” at the Academy of Medical-Surgical Nurses, Northeast Ohio Chapter; Cleveland, Ohio; November 1995.

“Spinal Cord Injury Care at a Glance” at the Tenth Annual Mellen Conference, Acute and Critical Care Nursing; Cleveland, Ohio; November 1995.

“Intrahospital Transport of the Critically Ill: A Multisite Study” at the 24<sup>th</sup> Educational and Scientific Symposium, Society of Critical Care Medicine; San Francisco, California; February 1995.

“Current Trends in Hemofiltration” at Lake Erie Chapter, AACN; Cleveland, Ohio; November 1994.

“Sepsis Made Simple: Early Recognition and Management” at the Academy of Medical-Surgical Nurses, Northeast Ohio Chapter; Cleveland, Ohio; November, 1994.

“A Comparison of Pulmonary Artery, Rectal, and Tympanic Membrane Temperature in the Intensive Care Unit” Cleveland Clinic Foundation/Sigma Theta Tau, International Region IV Research Utilization Conference; Cleveland, Ohio; September 1994. [poster presentation]

“Fluid and Electrolyte Shifts in the Critically Ill Surgical Patient” at the Ninth Annual Mellen Conference on Acute and Critical Care Nursing; Cleveland, Ohio; September 1994.

“Trauma Complications: Care of the Multi-Injured Patient” at the Advanced Critical Care Nursing Conference, Summa Health System; Akron, Ohio; April 1994.

“The Renal System” Core Review for Intensive Care Nursing (preparation for CCRN examination)

L+R Health Care Productions:  
November 1983; Cleveland, Ohio.

North Coast Nurses Group:

April 1984; November 1984; May 1985; November 1985; October 1986; September 1987; May 1988; September 1988; October 1988; February 1989; March 1990; Cleveland, Ohio.

Cleveland State University, Division of Continuing Education:

May 1984; September 1984; April 1985; October 1985; March 1986; October 1986; April 1987; November 1987; January 1988; April 1988; October 1988; April 1989; September 1989; February 1990; March 1990; October 1990; April 1991; October 1991; May 1992; November 1992; March 1993; November 1993; October 1994; October 1995; April 1996.

MetroHealth Medical Center, Department of Education and Training:

October 1987; October 1988; October 1989; October 1990; October 1991; November 1992; November 1993; Cleveland, Ohio.

**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

“Vascular Injuries to Extremities” at Impact of Trauma: The Spectrum of Care, MetroHealth Medical Center; Cleveland, Ohio; November 1993.

“Sepsis Made Simple: Early Recognition and Management” at the Eight Annual Mellen Conference on Acute and Critical Care Nursing; Cleveland, Ohio; September 1993.

“Critical Care Nursing in 2010: Preparing for the Future” at the Akron Area Chapter, AACN; Akron, Ohio; February 1993.

“Vascular Injury” at the Lake Erie Chapter, AACN; Cleveland, Ohio; January 1993.

“Fluid and Electrolyte Shifts in Critically Ill Surgical Patients” at the Seventh Annual Mellen Conference, Celebrate Nursing: From Critical Care to Home; Cleveland, Ohio; October 1992.

“Vascular Injury” at the Sixth Annual Critical Care Nursing: Quest for Excellence, Ohio State University Hospitals; Columbus, Ohio; September 1992.

“Changes, Choices, Challenges,” Graduation Address at St. Thomas School of Nursing; Akron, Ohio; May 1992.

“Hemofiltration: Current Applications: at the Fifth Annual Critical Care Nursing: Quest for Excellence, Ohio State University Hospitals; Columbus, Ohio; October 1991.

“Hemofiltration: Current Applications” at the Sixth Annual Mellen Conference Celebrate Nursing: Managing Patients Creatively; Cleveland, Ohio; September 1991.

“Critical Care Nursing – Where Will We Be in 2010?” at Profiles in Critical Care Nursing in the 1990’s, Lake Erie Chapter, AACN; Cleveland, Ohio; May 1991.

“Changes, Choices, Challenges” Graduation Address at MetroHealth Medical Center School of Nursing; Cleveland, Ohio; May 1991.

“Chest Trauma” at Teaching, Touching, Technology – Together: Bringing the Critical-Care Nursing Community Together, Lake Erie Chapter, AACN; Cleveland, Ohio; May 1990.

“The CNS and the Nursing Shortage” at the 1990 National Teaching Institute, American Association of Critical-Care Nurses; San Francisco, California; May 1990.

“Physiologic Responses to Trauma” at the Fourth Annual Mellen Conference on Acute and Critical Care Nursing, Celebrate Nursing: Present Images, Future Directions; Cleveland, Ohio; September 1989.

Critical Care Nursing Management Conference, A Matter of Entropy, Department of Veterans Affairs, Medical Center; Cleveland, Ohio; August 1989.

“Cleveland Area Wound Conference,” Moderator at Support Systems International; Cleveland, Ohio; December 1989.

**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

“Physiologic Responses to Trauma” at Advanced Principles of Trauma Nursing, Cleveland Metropolitan General/Highland View Hospital; Cleveland, Ohio; October 1988 and October 1989.

“Initial Nursing Assessment Following Trauma” at Lake Erie Chapter, American Association of Critical-Care Nurses; Cleveland, Ohio; October 1988.

“Point/Counterpoint: Non-Nursing Personnel vs. All Professionals” and “The CNS and the Nursing Shortage” at Innovations 88, American Association of Critical-Care Nurses; Denver, Colorado; September 1988.

“Computer Generated Care Plans and the Critically Ill” at the 1988 National Teaching Institute American Association of Critical-Care Nurses; Dallas, Texas; May 1988.

“Pain Assessment by Registered Nurses” at the Second Annual Excellence in Trauma Nursing Symposium: Management of Multiple Trauma and Burns, Cleveland Metropolitan General/Highland View Hospital; Cleveland, Ohio; May 1988. [poster presentation]

“Assessment of Pain by Registered Nurses” at Clinical Research Shaping Nursing Practice University Hospitals of Cleveland & Case Western Reserve University; Cleveland, Ohio; March 1988.

“Pain Assessment by Registered Nurses” at the Second Annual Mellen Conference, Perspectives '87; Acute and Critical Care Nursing; Cleveland, Ohio; November 1987. [poster presentation]

“Rehabilitation of the Burn Victim” at the North Coast Chapter of the Association of Rehabilitation Nurses; Cleveland, Ohio; March 1987.

“Orthopedic Trauma – Nursing Diagnosis” at Orthopedic Trauma: Putting Back the Pieces, Greater Cleveland Chapter of NAON; Cleveland, Ohio; November 1986.

“Renal Therapeutics: Diuretics for the Cardiac Patient” and “Renal Dysfunction in the Cardiac Patient” at Dimensions in Cardiac Critical Care, The Cleveland Clinic Foundation; Cleveland, Ohio; April 1985, April 1986.

“Nursing Implications for the Patient with Fluid and Electrolyte Imbalances” at the Managing the Acutely Ill Medical-Surgical Patient: A Plan for Action, Cleveland Metropolitan General/Highland View Hospital; Cleveland, Ohio; November 1985.

“The Intra-Aortic Balloon Pump” at Lakewood Hospital; Lakewood, Ohio; November 1985.

“The Renal System” and “The Gastrointestinal System” at Advanced Concepts in Critical Care Nursing, The Moses H. Cone Memorial Hospital; Greensboro, North Carolina; June 1985.

“Troubleshooting the Intra-Aortic Balloon Pump” at North Coast Nurses Group; Cleveland, Ohio; April 1985.

“Thermal Injury” at Triage and Emergent Care of the Burn Victim, Burn Center of Cleveland Metropolitan General/Highland View Hospital; Cleveland, Ohio; September 1983, March 1985.



**Cleveland Clinic**

The Stanley Shalom Zielony Institute  
For Nursing Excellence

**DEBORAH G. KLEIN, MSN, RN, ACNS-BC, CCRN, CHFN, FAHA**

“Initial Nursing Assessment Following Trauma” at Trends and Current Concepts in Critical Care Nursing, Lake Erie Chapter, AACN; Cleveland, Ohio; October 1984.

“Do Nurses Have the Right to Refuse to Participate in Resuscitation?” at the Greater Cleveland Nurses Association; Cleveland, Ohio; February 1984.

“Nursing Implications for the Care of Patients with Fluid and Electrolyte Imbalances” at the Challenges in Medical-Surgical Nursing; 1980 Approach, Cleveland Metropolitan General/Highland View Hospital; Cleveland, Ohio; November 1983.

“Blood Replacement and Blood Products” at Systemic Approaches to Shock, Lake Erie Chapter, AACN; Cleveland, Ohio; October 1983.

“Blood and Blood Products” and “Trauma” at Dimensions in Cardiac Critical Care, The Cleveland Clinic Foundation Cleveland, Ohio; April 1983.

“Post-Pericardiotomy Syndrome: Assessment and Therapy” at The Cardiac Patient: Primary, Secondary, and Tertiary Nursing Care, American Heart Association; Cleveland, Ohio; April 1983.

“The Role of the Clinical Nurse Specialist” at the Nursing Expo; Cleveland, Ohio; September 1982.

“Health Protective Behaviors of Professional Nurses” at the Midwest Nursing Research Society; Columbus, Ohio; April 1982. [poster presentation]