

CURRICULUM VITAE AND BIBLIOGRAPHY

DATE: 10/30/02

NAME: Cinda H. Clark, DSN, RN, CNS-M-S

PRESENT TITLE: Assistant Professor of Medicine / Advanced Practice Nurse

ADDRESS: The University of Texas Houston Medical School
Division of Gastroenterology, Hepatology and Nutrition
6431 Fannin, MSB 4.234
Houston, Texas 77030.

BIRTHDATE: 1945

CITIZENSHIP: U.S.A.

UNDERGRADUATE EDUCATION:

Presbyterian-University Hospital School of Nursing Pittsburgh, Pennsylvania	1966	Register Nurse	Nursing
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Carlow College Pittsburgh, Pennsylvania	1971	Bachelors of Science	Nursing
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GRADUATE EDUCATION:

The University of Texas School of Nursing Houston, Texas	1994	Masters of Science	Nursing
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The University of Texas School of Nursing Houston, Texas	1999	Doctorate of Science	Nursing
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ACADEMIC APPOINTMENTS:

The University of Texas Houston Medical School Houston, Texas Assistant Professor of Medicine / Advanced Practice Nurse	1999 –present
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Harris County Hospital District Contract faculty / Director Hepatitis C Ambulatory Care Clinics	1998 –present
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The University of Texas-Houston Medical School Houston, Texas Clinical Instructor / Advanced Practice Nurse	1998 –1999
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The University of Texas-Houston Health Science Center
School of Medicine
Houston, Texas
Academic Instructor / Director of clinical research 1996 –1998

HOSPITAL APPOINTMENTS:

Presbyterian-University Hospital
Pittsburgh, Pennsylvania
Staff and Charge Nurse – Intensive Care 1966-1989

LICENSURE:

CERTIFICATION:

PROFESSIONAL ORGANIZATIONS (AND COMMITTEES OF THESE):

LOCAL:
REGIONAL:
NATIONAL:

HONORS AND AWARDS:

EDITORIAL POSITIONS:

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS,
COMMITTEES:

SERVICE ON THE UNIVERSITY OF TEXAS-HOUSTON HEALTH SCIENCE CENTER
COMMITTEES:

SERVICE ON THE UNIVERSITY OF TEXAS-HOUSTON MEDICAL SCHOOL
COMMITTEES:

SERVICE ON GRADUATE SCHOOL COMMITTEES:

SERVICE ON UT-HMS AFFILIATED HOSPITAL COMMITTEES:

SERVICE TO THE COMMUNITY:

SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE :
(include names and years)

SPONSORSHIP OF POSTDOCTORAL FELLOWS:
(include names and years)

CURRENT TEACHING RESPONSIBILITIES:

PROFESSIONAL POSITIONS:

The University of Texas-Houston Health Science Center School of Nursing Houston, Texas Adjunct Faculty & Clinical Instructor - Acute and Continuing Care	1996 –1999
The University of Texas-Houston Medical School Houston, Texas Senior Clinical Research Coordinator	1993 –1996
The University of Texas-Houston Medical School Houston, Texas Senior Research Nurse	1991–1993
Hermann Hospital Medical Intensive Care Unit Houston, Texas Staff Nurse / Medical Education Coordinator	1989 –1991
Hermann Hospital Medical Intensive Care Unit Houston, Texas Critical Care Staff Nurse	1985-1989
Curaflex Staffing Houston, Texas Agency Critical Care Nurse	1975-1985
Temple Oaks Baptist School Houston, Texas School Nurse / Computer Literacy Instructor	1984-1985
Alloy Steel Corporation Houston, Texas Computer Systems Manager	1975-1979
St. Joseph’s Hospital School of Nursing Syracuse, New York Nursing Instructor – Medical/Surgical	1972-1974

Sewickley Valley Hospital Pittsburgh, Pennsylvania Nursing Instructor – Intensive Care	1970-1972
Carlow College Pittsburgh, Pennsylvania Campus Health Nurse	1969-1970

PROFESSIONAL MEMBERSHIPS:

American Association of Critical-Care Nurses Houston-Gulf Coast Chapter	1989-present 1993-present
Sigma Theta Tau International Zeta Pi Houston Chapter	1994-present 1994-present
Society of Critical Care Medicine Greater Houston Society of Critical Care Medicine	1993-present 1995-present
Society of Critical Care Medicine Norma J Shoemaker Grant Reviewer	1993-present 1999-present
American Nurse Association Texas Nurses Association	1966-present 1980-present
American Academy of Sleep Medicine	1995-present

PUBLICATIONS:

Journal Articles

Clark, C., & Gutierrez G. (1992). Gastric Intramucosal pHi: A non-invasive method for the indirect measurement of tissue oxygenation. American Journal of Critical Care, 2, 53-60.

Gutierrez, G., **Clark, C.**, Brown, S., Price, K., Ortiz, L.,& Nelson C. (1994). Effect of dobutamine on oxygen consumption and gastric mucosal pH in septic patients. American Journal of Respiratory and Critical Care Medicine, 150, 324-329.

Clark, C. (1994). Protein-Calorie Malnutrition: Incidence and Risk in the Adult Medical Critically Ill Patient. Master's Thesis. The University of Texas at Houston Health Science Center. Houston, Texas.

Brown, S., **Clark, C.**, & Gutierrez, G. (1996). Pulmonary lactate release in patients with sepsis and adult respiratory distress syndrome. Journal of Critical Care, 11(1), 2-8.

Taylor, D., Gutierrez, G., **Clark, C.**, Hainley, S. (1997). Measurement of gastric mucosal carbon dioxide tension by saline and air tonometry. Journal of Critical Care, 12,152-157.

Clark, C. & Ghalib, R. (1999). Hepatitis C: Role of the advanced practice nurse. American Association of Critical Care Nurses Clinical Issues: Advanced Practice in Acute and Critical Care,10(4), 455-463.

Clark, C. & Taylor, D. (2002). Effect of continuous gastric enteral feeding on tonometric measurement of gastric intramucosal carbon dioxide levels in healthy volunteers. Journal of Critical Care Medicine, submitted for publication May 2002.

Clark, C., Mahoney, J, Clark, DJ & Eriksen L. (2002). Screening for depression in the hepatitis C population: the reliability and validity of the Center for Epidemiologic Studies Depression Scale (CES-D). Journal of Advanced Nursing, 40(3), 1-9.

Published Abstracts

Chokshi, P., Odukwu, L., **Clark, C.**, Clark, J., Ghalib, R., Galati, J., & Ankoma-Sey, V. (1998). Serum iron indices in viral hepatitis C. Hepatology, 28(4), 810A.

Chokshi, P., Odukwu, L., **Clark, C.**, Flores, N., Clark, J., Ghalib, R., Galati, J., Ankoma-Sey, V. (1999). Serum iron indices: can it predict histological changes in chronic viral hepatitis C (HCV) infection ? Digestive Diseases Week (DDW), Annual Meeting of American Gastroenterological Association, 1999. Gastroenterology 116(4): A1185.

Clark, C. & Taylor, D. (2000). Effect of continuous gastric enteral feeding on tonometric measurement of gastric intramucosal carbon dioxide levels in healthy volunteers. Chest 38(5):A1356.

Ghalib, R., & **Clark, C.** (1999). Low dose (800 mg) ribavirin plus Intron-A in the treatment of patients with chronic hepatitis C not previously treated with antivirals. Hepatology 30(4), 836A.

Clark, C., Mahoney, J., Eriksen, L. & Ghalib, R. (1999). Validation of the Center for Epidemiologic Studies Depression Scale (CES-D) in patients with chronic hepatitis C. Hepatology, 30(4), 816A.

Clark, C. Mahoney, J., Levine, C & Ghalib, R. (1999) Prevalence of high depressive symptoms in patients with chronic hepatitis C using the The Center for Epidemiologic Studies Depression Scale (CES-D). Hepatology, 30(4), 1275A.

McGee, A. O'Loughlin, C., **Clark, C.**, Frazier, O.H., & Ankoma-Sey, V. (1999). Clinical outcomes of patients with the hepatitis C virus infection after heart transplant. Hepatology, 30 (4), 1979A.

Clark, C., Mahoney, J., Eriksen, L., Clark, D., Atanasov, S., Giray, N., & Castriotta, R. (2000). Validation of The Epworth Sleepiness Scale (ESS) and Sleep Quality Profile (SQP) In hepatitis C patients. Journal of Sleep and Sleep Disorders Research, 23, A377.

Clark, C., Clark, D., Mahoney, J., Levine, C., Atanasov S., Giray N., and Castriotta RJ. (2000). Prevalence and Characteristics of Sleep Disturbance in Patients with Chronic Hepatitis C Treated with Interferon/alpha-2b and Ribavirin. Journal of Sleep and Sleep Disorders Research, 23, A342.

Ankoma-Sey V, Utoh J, Clark D, **Clark C**, Singh S. (2000) Ethnic Response to Combination Antiviral Therapy in Chronic Hepatitis C Patients. Hepatology 32(4) pt.2 A765: 351.

Gajula L, Clark D, **Clark C**. Ethnicity is a factor in prevalence and incidence of thyroid abnormalities in patients with chronic hepatitis C on interferon α -2b plus ribavirin therapy. Poster accepted for presentation by American Gastroenterological Association, Digestive Disease Week, Atlanta, Georgia May 21-23, 2001.

Lectures

Clark, C. (1993, May). Splanchnic Ischemia a New Focus in Critical Care Nursing. Paper presented at the American Association of Critical Care Nursing, National Teaching Institute, Atlanta, Georgia.

Clark, C. (1994, September). Gastric Intramucosal pHi as an Indication of Splanchnic Ischemia, Paper presented at the Carolina Association of Respiratory Therapist, Educational Symposium, Litchfield, South Carolina.

Clark, C. (1994, September). Gastric Intramucosal pHi Indices for Treatment of the Patient in Septic Shock. Paper presented at the Piedmont Hospital, Critical Care Nursing Symposium, Atlanta, Georgia.

Clark, C. (1995, September). Pulmonary Disease and Acute Symptom Management. Paper presented at The University of Texas at Houston Graduate School of Nursing, Houston, Texas.

Clark, C. (1996, June). Clinical Trails: The Role of the Study Coordinator in Identification and Recruitment of Subjects. Paper presented at the Phase III Tumor Necrosis Factor alpha Clinical Investigator's Meeting, Bayer Corporation, Tucson, Arizona.

Clark, C. (1997, April). Malnutrition: A Holistic Model. Paper presented at the Graduate School of Nursing Faculty Seminar, Houston, Texas.

Clark, C. (1999, April). Gastric tonometry: Effect of enteral feeding on tonometer gastric luminal carbon dioxide tension levels in normal healthy volunteers. Paper presented at the Gulf Coast Chapter of the American Association of Critical Nurses, Houston, Texas.

Clark, C. (1999, August). Hepatitis C: Clinical perspectives of antiviral therapy. Presentation at the primary care physician conference on hepatitis C, Shering-Plough Corporation, Houston, Texas.

Clark, C. (1999, August). Hepatitis C: The epidemic of the new millenium. Presentation for the Association of Electrolysis Professionals National Conference, Houston, Texas.

Clark, C., Clark, D., Mahoney, J., Levine, C., Atanasov S., Giray N., and Castriotta R.J. (2000, March). Prevalence and Characteristics of Sleep Disturbance in Patients with Chronic Hepatitis C Treated with Interferon/alpha-2b and Ribavirin. Presentation for the American Academy of Sleep Medicine, Southern Sleep Society Conference, Orlando, Florida.

Clark, C. & Taylor, D. (May 2000). Effect of continuous gastric enteral feeding on tonometric measurement of gastric intramucosal CO₂ levels in healthy volunteers. Presented at Society of Critical Care Medicine Annual Meeting, Toronto Canada.

Clark, C. (August 2000). Hepatitis C: A Clinical Conundrum for Management. Presented at University of Texas School of Nursing. Faculty Conference. Houston Texas.

Clark, C. (September 2000). Hepatitis C: Who, What, When, Where, and How. Presented at 9th Annual Conference on HIV/AIDS, "State in Emergency: Communities in Crisis", Houston, Texas.

Clark, C. (October 2000). Hepatitis C: Role of the Non-MD. Presented at the Secondary Annual Hepatology Update. University of Texas Houston Health Science Center.

Clark, C. (April 2001). Hepatitis C: The Epidemic of the New Millenium. Update in Pulmonary and Infectious Diseases: A Seminar series presented by the Center of Pulmonary and Infectious Disease Control and The American Lung Associate, Abilene, Texas.

Clark, C. (May 20, 2001). Hepatitis C Update: Our Friends Interferon and Ribavirin. Presented at the Gastroenterology / Hepatology Fellows Morning Conference. The University of Texas Houston Health Science Center, Department of Internal Medicine, Division of Gastroenterology, Hepatology, and Nutrition, Houston, Texas.

Levine CD, **Clark C**, Eriksen LR, Mahoney J, Clark D, Fortuna-Dwulit R, Kadhim TJ. (June 8, 2001). Reliability and Validity of the Piper Fatigue Scale in Patients with Chronic Hepatitis C Infections. Abstract presented to the 12th International Nursing Research Congress, Sigma Theta Tau International, Copenhagen, Denmark.

Clark, C. (July 2001). Optimizing Clinical Benefits with Hepatitis C Therapy: Augmenting Adherence to Therapy. A Continuing Educational Activity for Staff Nurses sponsored by AdvancMed, Houston, Texas.

Clark, C. (September 7, 2001). Hepatitis C: The Epidemic of the New Millenium. Seminar in Infectious Diseases, Dallas County Health Department, Dallas, Texas.

Clark, C. (September 28, 2001). Hepatitis C: The Epidemic of the 21st Century. Update in Pulmonary and Infectious Diseases: A Seminar series presented by the Center of Pulmonary and Infectious Disease Control and The American Lung Associate, Wichita Falls, Texas.

Cinda, C. (October 26-27, 2001). Hepatitis C / Antiviral Therapies and Mental Health Issues. Hepatitis Magazine Annual National Conference. Houston, Texas.

Clark, C. (November 9, 2001). Hepatitis C: The Epidemic of the 21st Century. Update in Pulmonary and Infectious Diseases: A Seminar series presented by the Center of Pulmonary and Infectious Disease Control and The American Lung Associate, Midland, Texas.

Clark, C. (November 14, 2001). Hepatitis C: Epidemiology and Antiviral Therapies. Seminar in Infectious Diseases, Gulf Coast Chapter of the Association of Infection Control Practitioners, Houston, Texas.

Clark, C. (December 1, 2001). Our Friends: Interferon and Ribavirin Review of New Therapies for Chronic Active Hepatitis C Infections. Liver Update Conference for the patients and families suffering with liver diseases. Sponsored by the American Liver Foundation. Houston, Texas.

Clark, C. (December 1, 2001). Community Nurse and Hepatitis C Infections. Update in Hepatitis C for healthcare professional. A Continuing Medical Education Program sponsored by the University of Texas Houston Health Science Center School of Medicine. Houston, Texas.

Clark, C. (December 5, 2001). Hepatitis C: The Epidemic of the 21st Century. Update in Pulmonary and Infectious Diseases: A Seminar series presented by the Center of Pulmonary and Infectious Disease Control and The American Lung Associate, Tyler, Texas.

Clark, C. (January 11, 2002). Optimizing Clinical Benefits with Hepatitis C Therapy: Augmenting Adherence to Therapy. A Continuing Educational Activity for Staff Nurses sponsored by AdvancMed, Houston, Texas.

Clark, C. (May 11, 2002) Hepatitis C Therapy: Augmenting Adherence to Therapy. A Continuing Educational Activity for Staff Nurses sponsored by Projects in Knowledge, Houston, Texas.

Clark, C. (June 1 2002). Hepatitis C Therapy: Augmenting Adherence to Therapy. A Continuing Educational Activity for Nurse Practitioner and Physician Assistants sponsored by Projects in Knowledge, Houston, Texas.

Clark, C. (June 26, 2001). Hepatitis C: The Epidemic of the 21st Century. Update in Pulmonary and Infectious Diseases: A Seminar series presented by the Center of Pulmonary and Infectious Disease Control and The American Lung Associate, Palestine, Texas.

Poster Presentations

Price, K., **Clark, C.**, & Gutierrez, G. (1992, October). Intravenous dobutamine improves gastric intramucosal pH in septic patients. Poster presented at American College of Chest Physicians Meeting and Symposium, Los Angeles, California.

Clark, C., Nelson, C. & Gutierrez, G. (1993, June). Lung lactate production in patients with normal pHi and lactic acidosis. Poster presented at the 6th World Congress on Intensive and Critical Care Medicine, Madrid, Spain.

Clark, C., & Wulf, M. (1993, June). Outcome distribution of obstetrical and gynecological patients in the an ICU. Poster presented at the 6th World Congress on Intensive and Critical Care Medicine, Madrid, Spain.

Clark, C., & Brown, S. (1993, October). pHa-pHi difference: A new focus for evaluation of treatment in sepsis. Poster presented at the American College Chest Physicians Meeting and Symposium, New Orleans, Louisiana.

Clark, C. (1994, May). Protein-Calorie Malnutrition: Incidence and Risk in the ICU, Poster presented at American Association of Critical Care Nurses National Teaching Institute, New Orleans, Louisiana.

Brown, S. & **Clark, C.** (1994, November). pHa - pHi difference as an indicator of severity of illness in critical ill patients. Poster presented at the American College of Chest Physicians Meeting and Symposium, San Francisco, California.

Clark, C., Grech, S., & Gutierrez, G. (1995, October). Incidence of visceral protein deficits on admission to the intensive care unit. Poster presented at the 8th World Congress on Intensive and Critical Care Medicine, Athens, Greece.

Clark, C., Grech, S., Taylor, D., & Gutierrez, G. (1997, October). Measurement of gastric regional carbon dioxide tension by saline and air tonometry. Poster presented at the American College of Chest Physicians Annual Symposium. San Francisco, California.

Chokshi, P., Odukwu, L., **Clark, C.**, Clark, J., Ghalib, R., Galati, J., & Ankoma-Sey, V. (1998, November). Serum Iron Indices in Viral Hepatitis C. Poster presented at the American Association of Hepatologist Annual Meeting, Chicago, Illinois.

Ghalib, R., & **Clark, C.** (1999, February). Low dose (800 mg) ribavirin plus Intron-A in the treatment of patients with chronic hepatitis C not previously treated with antivirals. Poster presented at Schering-Plough Annual Investigators Meeting, Palm Springs, California.

Chokshi, P., Odukwu, L., **Clark, C.**, Flores, N., Clark, J., Ghalib, R., Galati, J., Ankoma-Sey, V. (1999). Serum iron indices: can it predict histological changes in chronic viral hepatitis C (HCV) infection ? Digestive Diseases Week (DDW), Annual Meeting of American Gastroenterological Association, 1999.

Ghalib, R., & **Clark, C.** (November 1999). Low dose (800 mg) ribavirin plus Intron-A in the treatment of patients with chronic hepatitis C not previously treated with antivirals. Presented at the American Association for the Study of Liver Disease Annual Meeting, Dallas, Texas.

Clark, C., Mahoney, J., Eriksen, L. & Ghalib, R. (November 1999). Validation of the Center for Epidemiologic Studies Depression Scale (CES-D) in patients with chronic hepatitis C. Presented at the American Association for the Study of Liver Disease Annual Meeting, Dallas, Texas.

Clark, C. Mahoney, J., Levine, C & Ghalib, R. (November 1999) Prevalence of high depressive symptoms in patients with chronic hepatitis C using the The Center for Epidemiologic Studies Depression Scale (CES-D). Presented at the American Association for the Study of Liver Disease Annual Meeting, Dallas, Texas.

McGee, A. O'Loughlin, C., **Clark, C.**, Frazier, O.H., & Ankoma-Sey, V. (November 1999). Clinical outcomes of patients with the hepatitis C virus infection after heart transplant. Presented at the American Association for the Study of Liver Disease Annual Meeting, Dallas, Texas.

Clark, C. & Taylor, D. (May 2000). Effect of continuous gastric enteral feeding on tonometric measurement of gastric intramucosal carbon dioxide levels in healthy volunteers. Presented at the Annual Meeting of the American Thoracic Society, Toronto, Canada.

Clark, C., Mahoney, J., Eriksen, L., Clark, D., Atanasov, S., Giray, N., & Castriotta, R. (June 2000). Validation of The Epworth Sleepiness Scale (ESS) and Sleep Quality Profile (SQP) In hepatitis C patients. Presented to the American Academy of Sleep Medicine Annual Research and Update Conference, Las Vegas, Nevada.

Clark, C., Clark, D., Mahoney, J., Levine, C., Atanasov S., Giray N., and Castriotta RJ. (June 2000). Prevalence and Characteristics of Sleep Disturbance in Patients with Chronic Hepatitis C Treated with Interferon/alpha-2b and Ribavirin. Presented to the American Academy of Sleep Medicine Annual Research and Update Conference, Las Vegas, Nevada.

Ankoma-Sey V, Utoh J, Clark D, **Clark C.**, Singh S. (November 2000) Ethnic Response to Combination Antiviral Therapy in Chronic Hepatitis C Patients. Presented

at the American Association for the Study of Liver Disease Annual Meeting, Dallas, Texas.

Gajula L, Clark D, **Clark C**. (May 2001) Ethnicity is a factor in prevalence and incidence of thyroid abnormalities in patients with chronic hepatitis C on interferon α -2b plus ribavirin therapy. Poster accepted for presentation by American Gastroenterological Association, Digestive Disease Week, Atlanta, Georgia.

Eriksen LR, **Clark C**, Mahoney J, Levine C, Clark D, Mohammed K. (June 2001) Validity of a newly synthesized instrument to measure fatigue and depression in hepatitis C patients. Abstract presented at the 12th International Nursing Research Congress, Sigma Theta Tau International, June 8-9, 2001, Copenhagen, Denmark.

Mahoney J, **Clark C**, Levine C, Eriksen LR, Clark D, Mohammed K. (June 2001). Analysis of Commonalities and Convergence in The Center for Epidemiologic Studies Depression Scale (CES-D) and the Piper Fatigue Scale (PFS) in Patients With Chronic Hepatitis C. Abstract submitted to the 12th International Nursing Research Congress, Sigma Theta Tau International, Copenhagen, Denmark.

Mahoney J, **Clark C**, Levine C, Clark D, Mohammed K, Eriksen L. The interrelatedness of the Center for Epidemiologic Depression Scale (CES-D) and the Piper Fatigue Scale (PFS) in patients with chronic hepatitis C. Abstract submitted for presentation at the Sixteenth Annual Conference of the Southern Nursing Research Society February 7-9, 2002 San Antonio Texas.

Clark C, Levine C, Mohammed K, Mahoney J Eriksen LR (June 2001). Prevalence of High Fatigue Symptoms in Patients With Chronic Hepatitis C Using the Piper Fatigue Scale (PFS). Abstract presented to the 12th International Nursing Research Congress, Sigma Theta Tau International, Copenhagen, Denmark.

Clark C, Mahoney J, Erikson L (July 2002) Disturbed Sleep Patterns in Chronic Active Hepatitis C Patients Receiving Interferon alpha-2b plus Ribavirin. Abstract presented to the 13th International Nursing Research Congress, Sigma Theta Tau International, Brisbane, Australia.

AWARDS AND RECOGNITION:

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|-----------|----------------------------------------------------------------------|
| 1992-1994 | Luke Vaughn Academic Scholarship
The Good Samaritan Foundation |
| 1994 | Helwett-Packard Nursing Award for
Outstanding Critical Care Nurse |
| 1994 | Advanced Practice - Clinical Nurse Specialist, |

Texas State Board of Nurse Examiners

- 1996-1999 Lou Lewis Academic Scholarship
The Good Samaritan Foundation
- 1996 Recipient, PARTNERS Scholarship, University of
Texas-Houston School of Nursing (\$2,000)
- 1996-1999 Federal Traineeship for Nurses, University of Texas-Houston School
of Nursing
- 1999 Sigma Theta Tau, Zeta Pi Chapter Doctoral Award of Research

RESEARCH GRANTS:

Current Research Grants

Prevalence and incidence of high depressive symptoms in patients with chronic hepatitis C using the The Center for Epidemiologic Studies Depression Scale (CES-D). HSC-MS-98-243 **C. Clark**: Schering-Plough \$35,000.

Effects of a nurse practitioner on compliance, side effect profile, and satisfaction in patients receiving Intron-A or Rebetron for chronic type C hepatitis. HSC-MS-98-096 **C. Clark**: Schering-Plough \$250,000.

Etiology and management of sleep disorders in patients with chronic viral hepatitis C receiving interferon alfa-2b plus ribavirin. HSC-MS-99-245 **C. Clark** and R.J. Castriotta: NIH \$100,000 - Funding pending February 2003.

Previous Research Grants as Principle / Co-Investigator

Gutierrez, G., & **Clark, C.** Severity Production Models, A Study to Determine the Validity and Reliability of the Mortality Predication Model on Admission and at 24 hours to the Acute Physiologic And Chronic Health Evaluation (APACHE). Tufts University, 1991, \$2000.

Gutierrez, G., **Clark, C.**, & Taylor, D. Measurement of gastric mucosal carbon dioxide tension by saline and air tonometry. Datex Corporation, 1996-1997, \$17,000.

Gutierrez, G., **Clark, C.**, & Taylor, D. Measurement of gastric mucosal carbon dioxide tension by saline and air tonometry. The University Clinical Research Center NIH MO1RR02558, 1997-1998, \$20,000.

Clark, C., Taylor, D., & Gutierrez, G. Effect of enteral feeding on tonometered gastric regional carbon dioxide levels in normal volunteers. Datex Corporation, 1997-1998, \$5000.

Clark, C., Taylor, D., & Gutierrez, G. Effect of enteral feeding on tonometered gastric regional carbon dioxide levels in normal volunteers. The Gulf Coast Chapter of the American Association of Critical Care Nurses, 1997, \$1000.

Clark, C., Taylor, D. & Gutierrez, G. Effect of enteral feeding on tonometered gastric regional carbon dioxide levels in normal volunteers. The University Clinical Research Center NIH Grant # MO1RR02558, 1997-1998, \$10,000.

Sub-investigator Research Grants

Gutierrez, G. Prospective, Double-Blind, Placebo-Controlled, Randomized, Multi-Center Study of the Safety and Efficacy of Murine Monoclonal Antibody to Human Tumor Necrosis Factor for the Treatment of Patients with Sepsis Syndrome. Miles, Inc, 1991 – 1993.

Gutierrez, G. Prospective, Double-Blind, Placebo-Controlled, Randomized, Multi-Center Study of the Safety and Efficacy of Murine Monoclonal Antibody to Human Tumor Necrosis Factor for the Treatment of Patients with Septic Shock and Organ Failure. Bayer Corporation, 1994 – 1996.

Gutierrez, G. "Double-Blind, Placebo-Controlled Study of the Efficacy and Safety of Three Doses of CP-0127 and Placebo in Patients with Presumed Sepsis and Systemic Inflammatory Response Syndrome (SIRS). Cortech, Inc, 1992.

Gutierrez, G. A Study to Evaluate the Safety and Efficacy of Human Recombinant Interleukin-1 Receptor Antagonist (IL-1ra) in Increasing Survival in Patients with Severe Sepsis: A Randomized, Double-Blind, Placebo Controlled, Multicenter Trial. Synergen, Inc., 1992-1994.

Gutierrez, G. Pivotal Study of Human MAb-T88 in Patients with Gram-Negative Sepsis. Sponsored by Cetus Ciron, Inc., 1993- 1994.

Gutierrez, G. Phase III Study of the Effects of Zileuton, 400 mg QID and 600 mg QID, and Placebo in Moderate Asthma. Abbott Laboratories, 1993.

Gutierrez, G. A Randomized, Double-Blind, Placebo-Controlled Trial of the Oral Steroid-Sparing Effects of Two High-Dose Regimes of Inhaled Fluticasone Propionate in Patients with Chronic Oral Steroid-Dependent Asthma. Glaxo, Inc., 1994 – 1996.

Gutierrez, G. Randomized, Placebo-Controlled Trial to Determine the Efficacy of HA-1A in Septic Shock. Centocor, 1995.

Gutierrez, G. Randomized, Placebo-Controlled Trial to Determine the Safety and Efficacy of Nebulized rhDNase (Pulmozyme) on Patients with Exacerbation of Chronic Obstructive Lung Disease. Genentech, 1996 -1997.

Gutierrez, G. Randomized, Placebo-Controlled Trial of E-5 Monoclonal Antibody in Patients with Severe Sepsis. Pfizer, Inc., 1996.

Gutierrez, G. Antithrombin III in Patients with Severe Sepsis - A Multinational, Double-Blind, Randomized, Placebo Controlled Phase III Study. Centeon Corporation, 1997 - 1998.

Gutierrez, G. Study CS-TF004: Multi-Center, Randomized, Placebo-Controlled, Two-Step Dose Escalation Safety, Tolerability, and Hypothesis Generating Trial of Recombinant Tissue Factor Pathway Inhibitor (rTFPI) in Sepsis Patients. Chiron Corporation, 1997- 1998.

Gutierrez, G. A Double Blind, Randomized, Controlled Study of Inhaled Nitric Oxide in the Treatment of Acute Respiratory Distress Syndrome (ARDS). Ohmeda, 1996 - 1998.

Gutierrez, G. A Phase II Study of Antithrombin III [AT-III(H)] in Patients with Non-shock Sepsis. Bayer Corporation, 1997-1998.