

CURRICULUM VITAE

Richard C. Niemtow, MD, PhD, MPH

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CURRENT POSITION

Richard C. Niemtow, Colonel, USAF, MC, FS
Malcolm Grow Medical Center
Andrews AFB, Maryland 20762-6418

MILITARY SERVICE

Jun 1980 to 31 Dec 1980	Captain, MC, Texas Air National Guard
31 Dec 1980 to 31 Dec 1982	Captain, USAF, MC (Active Duty)
Nov 1982	Regular Commission
1 Jan 1983	Promoted to Major
1 Jan 1981 to 25 Mar 1983	Radiation Oncologist, David Grant Medical Center, Travis AFB, California
25 Mar 1983 to Jul 1988	Radiation Oncologist, Malcolm Grow USAF Medical Center, Andrews AFB, Maryland
21 June 1985	Chief-Radiation Oncology, Malcolm Grow USAF Medical Center, Andrews AFB, Maryland
30 Jun 1988 to 15 Feb 1991	AFOEHL, Associate, Occupational Medicine, Brooks AFB, Texas
1 Jan 1989	Promoted to Lieutenant Colonel
Oct 1990 to Feb 1991	Acting Chief Flight Surgeon (in support of Operation Desert Shield/Storm) Wilford Hall Medical Center, Lackland AFB, Texas
Feb 1991 to 24 Nov 1993	Chief Hospital Services (Chief of Staff) 27th Medical Group, Cannon AFB, New Mexico
Jun 1994	Assistant Director, Preventive Health Care Services, Walson AF Hospital, Fort Dix, New Jersey
Jun 1996	Promoted to Colonel
Oct 1994 to Aug 1997	Commander, Medical Operations Squadron, 305th Medical, Walson Air Force Hospital, Fort Dix, New Jersey

Sept 1997 to Aug 1999	Operations Squadron Commander, 95th Medical Operations Squadron, 30 Hospital Road, Edwards AFB, California
1 Jan 1998 to Jun 1999	Deputy Medical Group Commander, 95th Medical Group, 30 Hospital Road, Edwards AFB, California
Aug 1999- July 2002	Naval Medical Center-San Diego California

EDUCATION AND DEGREES

Admiral Farragut Academy	High School, Jun 1960 Pine Beach, New Jersey
Emory University	Pre-Medical Physics Major, 1960-1964 Atlanta, Georgia
Goddard College	Degree – Bachelor of Arts, 1964-1965 Plainfield, Vermont
Universite de Montpellier Faculte de Medecine	Degree – Medical Doctor (MD), 1965-1976 Montpellier, France
Pacific Western University	Degree – Doctor of Philosophy (PhD) Biological Sciences, Feb 1985 Los Angeles, California
Medical College of Wisconsin	Degree – Masters Public Health, May 1992 Emphasis in Occupational Medicine (MPH) Milwaukee, Wisconsin
USAF School of Aerospace Medicine	Flight Surgeon, Class of 891003 Brooks AFB, Texas

PROFESSIONAL TRAINING

Centre Paul Lamarque Hospital St. Eloi University of Montpellier	Internship and Research, 1975-1976 Department of Clinical Immunology Under the direction of Dr. Bernard Serrou Montpellier, France
University of Texas Medical Branch	Resident in Radiation Oncology, 1977-1980 Department of Radiology Galveston, Texas
University of Texas Medical Branch	Chief Resident in Radiation Oncology, 1978-1980 Department of Radiology Galveston, Texas
M.D. Anderson Hospital	Course on External Beam, Interstitial and Intracavitary Dosimetry-Principles, Jul 1979 Houston, Texas.

UCLA Medical School
and American Academy of
Medical Acupuncture for
Physicians

Sept 1994 to Apr 1995

LICENSES

ECFMG	No. 192-151-9, 22 Jan 1975
Puerto Rico	License in Medicine and Surgery, No. 8353
Maryland	License in Medicine and Surgery, No. D34923
Maryland	Registration to Perform Acupuncture, No. ACU:015, Apr 1995

BOARD CERTIFICATION

- Board Certified Forensic Examiner
- American Board of Forensic Medicine
- Board Member and Board Certified by the Auriculotherapy Certification Institute
- Diplomat and Fellow of the American Association of Integrative Medicine
- Board Member Advisory Board of the American Association of Integrative Medicine

RESEARCH TRAINING

Temple Medical School	Laboratory Assistant to Dr. Litwack, 1962-1963 Department of Biochemistry Philadelphia, Pennsylvania
Emory University	Cell Membrane Potential Special Physics Project, 1963 Physics Department Atlanta, Georgia
Harvard Medical School	Lipid Research, 1964 Under the direction of David Rutstein, MD, Chairman Lipid Research Laboratory Department of Preventive Medicine Boston, Massachusetts

FELLOWSHIPS

American Cancer Society	Clinical Fellowship Jul 1979 – Jul 1980
American Cancer Society	Research Fellowship Texas Division Jul 1979 – Jul 1980

PROFESSIONAL MILITARY COURSES

- Military Indoctrination for Medical Service Officers, Sep 1980
- Seminars In Diagnostic Radiology, Walter Reed Army Medical Center, Washington, DC, May 1982
- C-4 Military Combat Course, Texas, Jan 1984
- Management for Chief of Hospital/Clinic Services, Oct 1990
- Air War College: (Seminar) Graduate, 1993
- Instructor, Advanced Cardiac Life Support, May 1997

AWARDS

- United States Air Force Achievement Medal • For Outstanding Achievement, Mar 1982
- United States Air Force Commendation Medal • Occupational Medicine Activities, Brooks AFB, Texas, 1991
- United States Air Force Meritorious Service Medal • Cannon Air Force Base, New Mexico, 1993
- United States Air Force Meritorious Service Medal • McGuire Air Force Base, New Jersey, 1997
- United States Air Force Meritorious Service Medal • Edwards AFB, California, 1999

GRANTS

American Cancer Society	Institutional Grant, 1977-1978 “Combination Immunological and Radiation Treatment in a Murine Tumor Model System.” Principal Investigator – Richard C. Niemtow, MD
American Cancer Society	Institutional Grant, 1978-1979 “Transmembrane Potentials of Human and Murine Mononuclear Cells.” Co-Principal Investigator – Richard C. Niemtow, MD
United States Department of Agriculture	“Invitro and Invivo Antimetabolic Effects of Dimilin.” 1979-1980

CLINICAL RESEARCH

Malcolm Grow USAF Medical Center	Chief Clinical Investigator, Apr 1983 to Dec 1985 FDA approved Phase II Study of The Use of an Un-coupling Agent and Metabolic Modulation in Advanced Cancer Patients Andrews AFB, Maryland
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PUBLICATIONS

Niemtow RC, Faculty of Medicine of Montpellier, France. Analyse D'une Technique de

Measure des Potentiels Intracellulaires des Lymphocytes et des Autres Cellules Non-Excitable. Thesis. Jun 1976.

Gauci L, Niemtzw RC, Serrou B. Communication: French Academy of Medicine, Intra Cellular Potentials of Human T and B Lymphocytes. CR Acad Sc Paris. T 2858. Serie. D.-1577, Dec 1977.

Niemtzow RC, Klein C, Gauci C, Rabischong P, Serrou B. Techniques for the Measurement of Intra-Cellular Potentials in Non-Excitable Cells. J Electrophysiological Techniques 1977;5(4).

Niemtzow RC, Gauci L, Serrou B. Human Lymphocyte Sub-Groups Have Characteristic Intra-Cellular Potentials. Journal Immunotherapy and Chemotherapy. Sept 1978.

Niemtzow RC, Rossio J, Olson M, Gauci L, Serrou B, Daniels J. Lymphokine Induced Changes in Macrophage Intracellular Electrical Potentials. Biomedicine. JI 307, Vol 31, No 9-10, 1980.

Niemtzow RC, Eaton DC, Kunze DL, Becker SN, Wong JY, Olson MH, McBee J, Moulton RG, Gauci L, Viallet P, Serrou B, Daniels JC. Correlation Between Macrophage Intracellular Electrical Potentials and Malignant Melanoma Growth in a Murine Model. Biomedicine. JL 307, Vol 31, No 9-10, 1980.

Olson MH, Wright AE, Shah K, De Persio EJ, Niemtzw RC. Indications for Brachytherapy as a Substitute for or Supplement to Tolerance Doses of External Beam Irradiation. Published and presented to the American Radium Society. 1980.

Reynolds R, Sonoda T, Niemtzw RC, O'Dell S, Clukey D, Armstrong S. Survival in High Risk Breast Cancer. Accepted for publication, Missouri Medicine. May 1982.

Reynolds RD, Sonoda T, O'Dell S, Niemtzw RC, Mitchell EP, San Diego A, Anson N, Takamoto R. Value of Laparotomy in the Staging of Hodgkin's Disease. An Analysis of 100 Consecutive Patients. Mo Med. 1982;79(12):800-3, 809.

Niemtzow RC. Human Lymphocyte Transmembrane Potential in Transmembrane Potentials and Characteristics of Immune and Tumor Cells. Niemtzw RC, Editor. CRC Press. Oct 1985.

Rossio JL, Niemtzw RC. Use of Fluorescence as a Voltage Indicator in Mononuclear Cells in Transmembrane Potentials and Characteristics of Immune and Tumor Cells. Niemtzw RC, Ed. CRC Press. Oct 1985.

Niemtzow RC, Rossio J, Sonoda T, Pallai M, Spencer C, Tchou HP, Sachedeva V, Chughtai G, Haer F. Electronic Monitoring of the Effects of Radiotherapy and Chemotherapy in Patients with Neoplastic Disease. For publication/presentati Nov 1984 at the Prevention and Detection of Cancer, 6th International Symposium, Vienna, Austria. (Published).

Niemtzow RC, Reynolds R. Radiotherapy and the Heart. Cancer and the Heart. Elsevier, NY. Jul 1986.

Niemtzow R, Taylor A, Reutershan T, Rebuck H, Belford W, Josuweit R, Haacke R, Williams K, Ball T. Amateur Radio Communications and the National Disaster Medical System. Military Medicine. Dec 1987.

Niemtzow RC. Use of Transmembrane Potentials in the Identification of Tumor Cells. Cancer Surveys. Imperial Cancer Research Fund. Oxford Press, England. Vol 6, No 2. Dec 1987.

Niemtzow RC. Parasitic High Frequency Vertical Antennas. World Radio. Aug 1990.

Niemtzow RC. Loud Noise and Pregnancy. Military Medicine. Jan 1993.

Niemtzow RC, et al. The Amateur Radio Emergency Service (ARES) and The National Disaster Medical System (NDMS). *Military Medicine*. Apr 1993.

Niemtzow RC. A High-Protein Regimen and Auriculomedicine for the Treatment of Obesity: A Clinical Observation. *Medical Acupuncture*. 1997/98;Vol 9, No 2.

Niemtzow RC, Little J, Matanga MA, Ferrer B, Corn J, Kitto W. A High-Protein Regimen and Auriculomedicine for the Treatment of Obesity: A Second Clinical Observation. *Medical Acupuncture*. 1998/99;Vol 10, No 2.

Little JR, Niemtzw RC. Auriculotherapy and Aircrews With Circadian Desynchronosis: Aeromedical Implications. *Medical Acupuncture*. 1999/2000;Vol 11, No 2.

Niemtzow RC. Acupuncture technique for pilocarpine-resistant xerostomia following radiotherapy for head and neck malignancies. Presented at the American Academy of Medical Acupuncture Annual Symposium, Orlando, Florida, Apr 2000.

Niemtzow RC, Peng YP, May BC, Inouye WS, Johnstone PAS. Acupuncture technique for pilocarpine-resistant xerostomia following radiotherapy for head and neck malignancies. *Medical Acupuncture*. 2000;Vol 12, No 1.

Niemtzow RC. "Acupuncture". Integration of Complementary Disciplines into the Oncology Clinic. Johnstone PAS, Ed. *Curr Prob Cancer*. 2000;24:185-192.

Johnstone PAS, Peng YP, May BC, Inouye WS, Niemtzw RC. Acupuncture for pilocarpine resistant xerostomia following radiotherapy for head and neck malignancies. *Int J Radiat Oncol Bio Phys.*, Vol 50, No. 2. PP 353-357, 2001.

Niemtzow, RC. Acupuncture for pilocarpine-resistant xerostomia following radiotherapy for head and neck malignancies. Accepted for publication by the European Society for Therapeutic Radiology and Oncology meeting MITRE 2000 (Morbidity: Identify, Treat, Record, Eliminate). Brussels, Belgium. Dec 2000.

Niemtzow RC, Ong RT, Johnstone PAS. Piezoelectric stimulation technique of acupuncture points: Clinical Application. *Medical Acupuncture*. 2000/2001;Vol 12, No 2.

Johnstone, PAS, Niemtzw, RC, Polston, GR, Martin,PJ, Integration of acupuncture into the oncology clinic, *Palliative Medicine* 2002, 16.

Johnstone, PAS, Niemtzw, RC, Riffenburgh, RH, Acupuncture for xerostomia: clinical update, *Cancer*, Feb 15, 2002, Vol 94, No.4.

Niemtzow, RC, Kempf, KJ, Johnstone, PAS, Acupuncture For Xerophthalmia, *Medical Acupuncture*, March 2002.

Niemtzow, RC, Clydesdale D, Hubacher, J, Cho, ZW, Oleson, T, Son, Y-D, Johnstone, PA Are Frequency Outputs of Commercial Electro-Acupuncture Stimulators Accurate? *Medical Acupuncture*, Vol 14, No 1 2002

Niemtzow RC, et al. Rapid Electroacupuncture Technique for the Treatment of Peripheral Neuropathies Induced by Cancer Chemotherapy. In preparation.

Niemtzow RC, et al. Xerostomia Secondary to Radiation and its Treatment Employing Acupuncture; Mechansims of Actions. In preparation.

ADDITIONAL PUBLICATIONS

BOOK CHAPTER

Niemtzow RC, Frace A, Eaton D, Becker C, Robbins C, Perez Polo JR, Daniels J. Electrical Potentials and Related Membrane Properties of Human and Murine Mononuclear Cells. *Fundamental Mechanisms of Human Cancer Immunology*. Saunders JP, Serrou B, Eds. Elsevier, North Holland, New York. 1981.

BOOK

Transmembrane Potentials and Characteristics of Immune and Tumor Cells. Niemtzw RC, Ed. CRC Press, Florida. Oct 1985.

ABSTRACTS AND PRESENTATIONS

Niemtzow RC, Olson MH, Daniels JC. Intracellular Electrical Potentials of Tumor Activated Macrophage. Annual Meeting, Southwest Section American Association for Cancer Research. San Antonio, Texas. Nov 1978

Niemtzow RC, Gauci L, Serrou B. Variations in the Transmembrane Potentials of Activated Lymphocytes and Monocytes. *Société Francaise d'Immunologic*. Published in the *Annals of the Institute Pasteur*. Jun 1979.

Olson MH, Niemtzw RC. Significance of Intracellular Electrical Potentials of Human and Animal Mononuclear Cells. *Société de Medecine Interne Cancerologique*. Nice, France. Dec 1979.

Niemtzow RC, Eaton DC, Becker SN, Olson MH, Daniels JC. Correlation Between Macrophage Intracellular Electrical Potentials and Malignant Melanoma Growth in a Murine Model. *Southern Society for Clinical Investigations*. 1980.

Becker SN, Niemtzw RC, Eaton DC, Olson MH, Daniels JC. Poster Presentation. Thioglycolated Activated Murine Macrophages: Morphology, Transmembrane Potentials, and Protein Synthesis. *International Academy of Pathology*. New Orleans, Louisiana. Feb 1980.

Niemtzow, RC, Speaker and Committee Member. *International Symposium of Fundamental Mechanisms in Human Cancer Immunology*. University of Texas Medical Branch. Galveston, Texas. Oct 1980.

Niemtzow RC, Reynolds R, O'Dell S, Sonoda T, Pinnamaneni K, Papermaster B, Rossio J, Serrou B. Biological Response Modifying Agents: Mechanisms of Action on the Immune System and Clinical Relevance. David Grant Medical Center, University of Missouri, National Cancer Center and Montpellier, France. American College of Physicians in conjunction with Society of Air Force Physicians and Society of Air Force Clinical Surgeons. Air Force Regional Meeting. Mar 1982.

Niemtzow RC, Section Moderator: High Energy Particles and Biological Response Modifying Agents. Air Force Regional Meeting. Mar 1982.

Niemtzow RC. Transmembrane Potentials and Characteristics of Immune and Tumor Cells. Accepted for Publication, National Tumor Registrars Association. Mar 1986.

Niemtzow RC. Lecture: Treatment of Early Breast Carcinoma in the Female Patient and Transmembrane Potentials and Characteristics of Immune and Tumor Cells. SEERS Program. Boston, Massachusetts. Jun 1986.

Niemtzow RC. Lecture: The National Hospital Amateur Radio Network and The National Disaster Medical System (NDMS). Department of Preventive Medicine, Medical College of Wisconsin. Milwaukee, Wisconsin. Jan 1990.

Niemtzow RC. Lecture: The Role of Acupuncture in Breast Cancer: Medicine or Magic? Department of Defense, Breast Conference. San Diego, California. Sept 1998.

Niemtzow RC. Lecture: The Role of Acupuncture in Breast Cancer: Medicine or Magic? Breast Cancer Survival Day, Naval Medical Center. San Diego, California, Sep 1998.

Niemtzow RC. Guest Speaker: Acupuncture and Cancer. Breast Cancer Clinic, Naval Medical Center. San Diego, California, Oct 1998.

Niemtzow RC. Guest Speaker: Acupuncture Workshop. Delaware Valley Chapter, American Academy of Medical Acupuncture, Philadelphia, Pa, April 2001

COOPERATIVE CANCER GROUP PROTOCOLS WRITTEN

Northern California Oncology Group

- The Use of Lymphokines in Resected Lung Cancers
- Randomized Study of Lymphokine Versus Thymosin Plus Radiation Therapy in Lung Cancer
- A Study of Lymphokine in High Risk Resected Colon Cancer
- Combination Chemotherapy Plus Lymphokine in Advance Lung Cancer

PROFESSIONAL ACTIVITIES

Trustee and Founder. University of Texas, Medical Branch Emergency Communication Group N5EV. 1979.

Co-Initiator. Joint Post Graduate Medical Exchange Between University of Montpellier Faculty of Medicine, Montpellier, France and the University of Texas Medical Branch. Galveston, Texas. 1978-1980.

Committee Member and Speaker. Cancer I CAN COPE. David Grant Medical Center, Travis AFB, California. 1981-1982.

Jewish Fund Committee. Travis AFB, California. 1981-1982.

Chairman and Lay-Leader. Chaplain, Jewish Fund Committee. Travis AFB, California. 1982 to Mar 1983.

Tumor Board Committee. David Grant USAF Medical Center. Travis AFB, California. Jan 1981 to Mar 1983.

Tumor Board Committee. Malcolm Grow USAF Medical Center. Andrews AFB, Maryland. Apr 1983 to Jan 1987.

Radiation Safety Committee. Malcolm Grow USAF Medical Center. Andrews AFB, Maryland, Dec 1984 to Jan 1987.

Medical Readiness Committee. Malcolm Grow USAF Medical Center, Andrews AFB, Maryland. Jun 1985 to Jan 1987.

Tri-Service (Army, Navy, Air Force) Liaison. Amateur radio to the National Disaster Medical

Service. Washington, DC. 1985 to Jun 1988.

Chairman. Cancer Committee. Malcolm Grow USAF Medical Center. Andrews AFB, Maryland, 1986.

Chief of Tumor Registry. Malcolm Grow USAF Medical Center. Andrews AFB, Maryland. Mar 1986.

Jewish Lay Leader. Andrews AFB, Maryland. Apr 1986.

In-Charge. Amateur Radio Communications for Northern Virginia, Maryland and District of Columbia for the National Disaster Medical System Exercise. Jul 1986.

Education Chairman. Potomac Cancer Society (American Cancer Society). 1986 to 1988.

Founder. National Hospital Amateur Radio Network (NHARN). Nov 1989.

SOCIETIES

- The American Radio Relay League. Life Member
- Air Force Association
- Society of Air Force Physicians
- United States Air Force Military Affiliated Radio System: AFA4SI Associate Member.
- Society For Scientific Exploration
- American Society For Therapeutic Radiology and Oncology
- Military Society of Surgeons
- Aerospace Medical Association
- American Occupational Medical Association. 1988
- Medical Amateur Radio Council
- The American College of Physician Executives
- The American Institute of Aeronautics and Astronautics, Inc.
- Member. The American Board of Forensic Examiners
- American Academy of Medical Acupuncture for Physicians. Guest Editor-in-Chief. 1996.
- American Academy of Medical Acupuncture Medical Acupuncture. Associate Editor. 1996.
- American Academy of Medical Acupuncture. Editor-in-Chief. 1997 to present.
- Executive Editor of the Journal of Alternative and Complementary Medicine. July 2001 to present.
- President of the Medical Acupuncture Research Foundation April 2002 to present.

CONSULTANT

Medical Consultant to the French Government Centre National d'Etudes Spatiales, Groupe D'Etudes des Phenomenes Aerospaciaux Non-Identifies. Toulouse, France. 1977 to present.

European Space Agency Priority French Medical Cancer-Immunology Space Shuttle Project. 1981-1982.

United States Navy Regional Hospital, Oakland, California. Clinical Development of Transmembrane Potential Measurements in Man. 1982.

US Army Inspector General. Cash Case Medical Injuries from an Intense Luminous Object. May 1982.

Therapeutical Systems Corporation, Virginia. May 1982 to present.

FSR. England. 1986 to present.

USSR Embassy, Washington, DC, 1988 Russian Earthquake (Amateur Radio Medical Communications Advisor)

Defense Advance Research Project Agency, Washington, DC. 2001 to present.

PUBLICATIONS AS A CONSULTANT TO SERPA

(France National Center of Space Studies)

Physiological and Radiation Effects of Intense Luminous Objects. Presented at Princeton University, Society for Scientific Exploration. Oct 1984.

Investigations Medicales Associees Aux Observations Rapprochees de Lumieres Atmospheriques Intenses. Centre National D'Etudes Spatiales. Presented at a Special Government Meeting. Paris, France. Jun 1985.

Possible Medical Injuries From Unidentified Intense Luminous Atmospheric Phenomena. Presented at the American Institute of Aeronautics and Astronautics, LA Chapter. Los Angeles, California. Apr 1986.

LANGUAGES

French

HOBBIES

- National Radio Institute Advanced Amateur Radio Course. High Honors
- Amateur Radio Extra Class. License N5EV (Licensed amateur radio operator since 1957.)
- Extra Class. Accredited Volunteer Examiner ARRL/VEC. 1985 to present.
- Computer interests and applications packet radio for emergency medical amateur radio communication.
- Chess

BIOGRAPHICAL

Date of Birth	April 18, 1942
Place of Birth	Philadelphia, Pennsylvania. U.S. Citizen
Marital Status	Divorced

Children

Two