**Edward F. Miles, M.D.**

Commander, Medical Corps, USN

3905 Breezeport Way, Apt. 102

Suffolk, VA 23435

(757) 234-9152

efmraddoc@gmail.com

**Education:**

**Doctor of Medicine**

Uniformed Services University of the Health Sciences, Bethesda, MD, 1996-2000

**Bachelor of Science, Chemical/Biomedical Engineering**

Carnegie Mellon University, Pittsburgh, PA, 1982-1986

**Training/Certification:**

**Radiation Oncology Residency**, Duke University Medical Center, Durham, NC, 2004-2008

  **ABR** **Board Certification in Radiation Oncology** - 2009

**U/S-Guided Prostate Brachytherapy Course**, Seattle Prostate Institute, Seattle, WA, 2008

**Research Fellowship**, Radiation Effects Research Foundation (RERF), Hiroshima, Japan, 2007

(Maternal radiosensitivity during pregnancy; bone/soft tissue sarcoma induction)

**U.S. Naval Flight Surgeon Training**, Naval Aerospace Medical Institute, Pensacola, FL, 2001

**Internal Medicine Internship**, National Naval Medical Center, Bethesda, MD, 2001

**Professional Experience:**

05/12 – current - Assistant Professor of Radiation Oncology and Biophysics, Eastern Virginia

Medical School, Norfolk, VA

02/11 - 11/11 – Director for Branch Clinics, deployed to Expeditionary Medical Facility, Kuwait

08/08 – current - Attending Radiation Oncologist, NMC Portsmouth, Associate Master Clinician,

 Primary Investigator for NRG Oncology protocols, Radiation Therapy Investigator for

 COG, Vice Chairman of Institutional Review Board, Executive Committee of the Medical

 Staff Critical Process Committee Chairman, Cancer Committee representative.

06/04 – 07/08 - Radiation Oncology Residency, Duke University Medical Center, Durham, NC

07/01 – 06/04 - U.S. Naval Flight Surgeon, VAQ-143/VAQ-128, NAS Whidbey Island, WA

06/00 – 06/01 - Internal Medicine Internship, NNMC Bethesda, MD

06/96 – 05/00 - Uniformed Services University of the Health Sciences, Bethesda, MD

10/91 – 06/96 - Environmental Engineer, Naval Reserve Officer, Calverton, MD

05/86 – 10/91 - Naval Flight Officer, U.S. Navy

**Technical Experience:**

Varian Eclipse, CMS Focal, ADAC, X-Knife, Pinnacle, Tomotherapy Hi-Art® treatment planning

systems (3D-CRT, IMRT, SRS, SBRT, IGRT, 4D/breath-hold, respiratory gating)

Varian Trilogy, 21 EX, Elekta Synergy, Mevatron Linacs, Tomotherapy, conventional simulator

Gamma-Med and Nucletron HDR stepping source systems

Brachytherapy - prostate LDR, interstitial/intracavitary/IORT LDR/HDR, Mammosite®/Contura®

Altered fractionation, concurrent chemoradiotherapy, hyperthermia

**Awards/Honors:**

Associate Master Clinician Award, NMC Portsmouth, 2014

28th Annual Academic Research Competition, First Place, NMC Portsmouth, 2013

26th Annual Academic Research Competition, First Place, NMC Portsmouth, 2011

Gunilla C. Bentel Award for Outstanding Physics Research, DUMC, 2008

Alpha Omega Alpha Honor Medical Society, USUHS, 1999

Deans Award for Academic Excellence, USUHS, 1997

**Publications in peer-reviewed journals:**

D Samartzis, N Nishi, J Cologne, M Hayashi, K Kodama, **EF Miles**, S Funamoto, A Suyama, M Soda, F Kasagi. *“Ionizing radiation exposure and the development of soft tissue sarcomas in atomic-bomb survivors.”* Journal of Bone and Joint Surgery – American Volume, 2013, 95(3):222-9.

PR Patel, S Yoo, LB Marks, **EF Miles**, TA D’Amico, DH Harpole, CR Kelsey. *“Effect of increasing experience on dosimetric and clinical outcomes in the management of malignant pleural mesothelioma with intensity-modulated radiation therapy.”* International Journal of Radiation Oncology, Biology, Physics, 2012, 83(1): 362-8. *(First Place, 26th Annual NMC Portsmouth Academic Research Competition, 2011)*

D Samartzis, N Nishi, M Hayashi, J Cologne, HM Cullings, K Kodama, **EF Miles**, S Funamoto, A Suyama, M Soda, F Kasagi. *“Exposure to ionizing radiation and development of bone sarcoma: new insights based on atomic-bomb survivors of Hiroshima and Nagasaki.”* Journal of Bone and Joint Surgery – American Volume, 2011, 93(11):1008-1015.

**EF Miles**, Y Tatsukawa, S Funamoto, N Kamada, E Nakashima, Y Kodama, T Seed, Y Kusonoki, K Nakachi, S Fujiwara, M Akahoshi, K Neriishi*. “Bio-markers of radiosensitivity in A-bomb survivors pregnant at the time of bombings in Hiroshima and Nagasaki.”* ISRN Obstetrics and Gynecology, 2011, Vol 2011, Article ID 264978.

TM Zagar, KA Higgins, **EF Miles**, Z Vujaskovic, MW Dewhirst, RW Clough, EL Jones. ***“****Durable palliation of breast cancer chest wall recurrence with radiation therapy, hyperthermia, and chemotherapy.”* Radiotherapy and Oncology, 2010, 97(3): 535-540.

**EF Miles**, JW Nelson, AK Alkaissi, SD Das, RW Clough, G Broadwater, MS Anscher, JP Chino, JO Oleson *“Biologically Effective Dose (BED) correlation with biochemical control after low-dose-rate prostate brachytherapy for clinically low-risk prostate cancer.”* International Journal of Radiation Oncology, Biology, Physics, 2010, 77(1): 139-146.

JW Nelson, **EF Miles.** *“Beyond the abstract – Avoiding collateral damage when treating prostate cancer with radiation therapy in a case with altered surrounding anatomy: the tissue remains the issue.”* UroToday International Journal, Epub 2010 Dec 1.

**EF Miles**, NL Larrier, CR Kelsey, J Ma, J Hubbs, S Yoo, LB Marks. *“Intensity-modulated radiation therapy (IMRT) for resected mesothelioma: the Duke experience.”* International Journal of Radiation Oncology, Biology, Physics, 2008, 71(4):1143-1150. *(Selected by Cogent Medicine as sole “Editor’s Choice” article for mesothelioma.)*

**EF Miles**, JW Nelson, AK Alkaissi, SD Das, R Clough, MS Anscher, JO Oleson. *“Equivalent Uniform Dose (EUD), D90, and V100 correlation with biochemical control after low-dose-rate prostate brachytherapy for clinically low-risk prostate cancer.”* Brachytherapy, 2008, 7(2):206-211.

**EF Miles**, WR Lee. *“Hypofractionation for prostate cancer: a critical review.”* Seminars in Radiation Oncology, 2008, 18(1):41-47.

**EF Miles**, CR Kelsey, J Kirkpatrick, LB Marks. *“Estimating the magnitude and field size dependence of RT-induced mortality and tumor control following post-operative RT (PORT) for NSCLC: calculations from clinical trials.”* International Journal of Radiation Oncology, Biology, Physics, 2007, 68(4):1047-1052*. (Featured as on-line CME article)*

Published case reports

JE Bergstrom, MA Bidus, **EF Miles**, JE Allard. *“Use of cetuximab in combination with cisplatin and adjuvant pelvis radiation for Stage IIIB vulvar carcinoma: a case report.”* Case Reports in Obstetrics and Gynecology, Vol 2015, Article ID 139817

M Olsen, **EF Miles**. *“A case of radiation-induced lumbosacral radiculoplexopathy responding to hyperbaric oxygen therapy.”* Jacobs Journal of Radiation Oncology, 2015, 2(1):017,

MJ Lail, SJ Gauerke, **EF Miles***. “Indolent CD8+ primary cutaneous T-cell lymphoma of the ear: a case report and review of the literature.”* Jacobs Journal of Radiation Oncology, 2014, 1(2):014.

M Olsen, AO Mitchell, **EF Miles**. *“Post-operative radiation therapy for low grade mucoepidermoid carcinoma of the parotid gland: two case studies.”* Case Reports in Oncological Medicine, Vol 2014, Article ID 345128.

S Gresswell, L Balsamo, **EF Miles**. *“Intra-articular synovial sarcoma of the knee: a case report and review of the literature.”* Military Medicine, 2013, 178(8): 956-62.

RA Patron, **EF Miles**. “*Stage IAE follicular lymphoma of the breast: case report and review of the literature.*” Case Reports in Oncological Medicine, Vol 2013, Article ID 597527.

TM Gille, **EF Miles**, AO Mitchell. *“Lymphoepithelioma-like carcinoma of the skin treated with wide local excision and chemoradiation therapy.”* Case Reports in Oncological Medicine, Vol 2012, Article ID 241816.

**EF Miles**, LL Jacimore. *“Synchronous bilateral breast carcinoma and axillary non-Hodgkins lymphoma: a case report and review of the literature.”* Case Reports in Oncological Medicine, Vol 2012, Article ID 685919.

S Melnyk, K More, **EF Miles**. *“Idiopathic radiation recall dermatitis developing nine months after cessation of cisplatin therapy in treatment of squamous cell carcinoma of the tonsil.”* Case Reports in Oncological Medicine, Vol 2012, Article ID 271801.

**EF Miles**, CC Allgeier, CC Cinnamond JW Nelson. “*Internal mammary node evaluation and elective nodal treatment in medial breast cancers: a case report and review of the literature.*” Internet Journal of Oncology, 2012, Vol 8, No 2.

**EF Miles**, LL Jacimore. *“Synchronous bilateral breast carcinoma and axillary non-Hodgkins lymphoma: a case report and review of the literature.”* Case Reports in Oncological Medicine, Vol 2012, Article ID 685919.

**EF Miles**, G Hall, A Ramirez, J Sposato. *“Giant gastric ulcer: a challenging diagnosis in the deployed military environment.”* Military Medicine, 2012, 177(3): 355-358.

**EF Miles**, RG Strange. *“Adjuvant radiation therapy for wedge-resected non-small cell lung cancer adjacent to a large thoracic aortic aneurysm: a case report and review of the literature.”* Internet Journal of Oncology, 2012, Vol 8, No 2.

**EF Miles**, LL Jacimore, JW Nelson. *“Metachronous anal canal and prostate cancer with simultaneous definitive therapy: a case report and review of the literature.”* Case Reports in Oncological Medicine, Vol 2011, Article ID 864371.

**EF Miles**, LH Balsamo, D Turton, W Graf. *“Recurrent PET FDG uptake after sequential chemotherapy and radiation therapy for DLBCL of the tibia: a case-report and review of the literature.”* Case Reports in Oncological Medicine, Vol 2011, Article ID 163472.

**EF Miles**, LL Jacimore, JW Nelson. *“Aggressive palliation in extensive stage small cell lung cancer; practice guidelines versus clinical practice: a case report and review of the literature.”* Lung Cancer International, Vol 2011, Article ID 659807.

**EF Miles,** JW Nelson. *“Definitive 125I prostate brachytherapy implant for low-risk prostate cancer in a patient with an ileal pouch-anal anastamosis: a case report.”* Brachytherapy, 2011, 10(2): 117-120.

**EF Miles,** LH Balsamo. *“Pre-operative radiation therapy for an extremity hemangiopericytoma: a case report.”* Practical Radiation Oncology, 2011, 1(1): 52-55.

BF Koontz, **EF Miles**, MD Rubio, JF Madden, SR Fisher, R Scher, and DM Brizel.  *“Pre-operative radiotherapy and bevacizumab for angiosarcoma of the head and neck: two case studies.”* Head & Neck, 2008, 30(2):262-266*.*

**Abstracts:**

***Oral***

**EF Miles**, BF Koontz, JW Nelson. “*Patterns of practice and treatment outcome for stage I testicular seminoma from two large treatment facilities over twenty years (1990-2010).*” *(First Place, 28th Annual NMC Portsmouth Academic Research Competition, 2013)* (Manuscript in preparation)

N Cutler, T Nelson, **EF Miles**. “*Nodal metastasis tumor marker concordance with primary tumor in triple negative infiltrating ductal carcinoma of the breast.*” *28th Annual NMC Portsmouth Academic Research Competition 2013* (Manuscript in preparation)

JJ O’Connell, PK Lillis-Hearne, DM Macdonald, HB Wilds, ND Jones, DF Flynn, ED Stickney, **EF Miles**, JW Nelson, RA Kiteley*. “The role of U.S. military radiation oncologists in modern warfare.”* Radiological Society of North America, 97th Scientific Assembly and Annual Meeting, Nov 2011

***Poster***

CL Hallemeier, P Zhang, TM Pisansky, GE Hanks, DG McGown, M Roach, KL Zeitzer, S Firat, SM Hussain, DP D’Souza, L Souhami, MB Parliament, SA Rosenthal, H Lukka, MZ Rotman, EM Horwitz, **EF Miles,** HM Sandler. *“Nadir prostate specific antigen (nPSA) after neoadjuvant (neo) androgen suppression (AS) in prostate cancer patients (pts) receiving short-term AS and radiotherapy (RT): pooled analysis of four NRG oncology/RTOG randomized clinical trials.”* American Society for Radiation Oncology, Annual Meeting 2015, San Antonio TX.

JE Bergstrom, MA Bidus, **EF Miles**, JE Allard. *“Use of hyperbaric oxygen therapy for pelvic radiation disease and vulvar skin desquamation after treatment with pelvic radiation therapy in combination with cisplatin and cetuximab for Stage IIIB vulvar carcinoma.”* American College of Obstetricians and Gynecologists, Armed Forces District Annual Meeting, Nov 2014.

**EF Miles**, JD Tournikey, CD Shriver. *“The sentinel lymph node biopsy and recommendations for the detection of metastatic disease: a review of 55 cases.”* Society of Surgical Oncology Annual Cancer Symposium, San Diego, February 1998.

***Other***

BL Tompkins, AL Eckenrode, LH Balsamo, **EF Miles.** *“Adjuvant radiation therapy for resected pigmented villonodular synovitis of the shoulder: a case report and review of the literature.”* (Manuscript in preparation)

**Licensure:**

North Carolina, Virginia

**Professional Affiliations:**

Alpha Omega Alpha Honor Medical Society

American Brachytherapy Society

American Society for Radiation Oncology

**Reviewer:**

International Journal of Radiation Oncology, Biology, Physics; Practical Radiation Oncology; European Urology; Prostate Cancer and Prostate Disease; Clinical Lung Cancer; The Research and Biology of Cancer; British Journal of Medicine and Medical Research, Rare Tumors; Journal of Medicinal Plants Research