MIDDLESEX
HOSPITAL

ADMINISTRATION

June 2, 2005

Nuclear Materials Safety Branch 1
Division of Nuclear Materials Safety
Region 1
King of Prussia, Pennsylvania 19406

Dear Sirs:

03001242

Please consider this notification of the following changes to Materials License number 06-00649-03. The Radiation Safety Officer has been changed from Robert Wolek, M.D. to Michal Coleman, Ph.D. effective June 26, 2005.

Dr. Coleman will be filling the position of medical physicist for our Department Of Radiology. Dr. Wolek will continue as the Chairperson of the Radiation Safety Committee.

Please see attached Dr. Coleman's C.V.

Sincerely,

Harry Evert
Vice President of Administration

HE/rdo
Attachment

c: Laurel Patt
Dayton Rich

28 Crescent Street
Middletown, Connecticut 06457-3650

tel 860 344-6000
fax 860 346-5485

Resume Presented by:

Peter Safer
Healthcare Recruiter

RJS ASSOCIATES

10 Columbus Boulevard
Hartford, CT 06106
Phone: 860.278.5840
FAX: 860.522.8313
www.rjsassociates.com
psafer@rjsassociates.com

Michål Coleman

Objectives

Interested in a Diagnostic Medical Physicist / Radiation Safety Officer Position in a clinical institution or academic Medical centre.

Summary

Qualified Medical Physicist with background in systems development, data analysis, clinical medical physics and research in imaging applications,.

Professional Experience

Digital Imaging Scientist Seattle Childrens Hospital

Responsible for digital image quality and performance monitoring of imaging equipment and PACS systems within Childrens Hospital and Clinics; including Radiology and Cardiology. This included system dose performance and optimization of digital imaging technologies, management of digital image PACS systems.

Lead, Systems & Software Engineer, Philips Medical Systems

Image Analysis Group, November 1996 to May 2003
Responsible for leading cross-functional teams in development and commercialization of Clinical Image Analysis software for diagnostic Medical Systems, including, requirements, design and specification. Directed software development of clinical features, responsible for, scheduling, tracking SW lifecycle, documentation and support to regulatory. Involved in inter-departmental negotiations and customer interaction across products. Directly responsible for eight developers, and functionally responsible for project cross-functional teams during development. Used analysis stimulation, experimental, and clinical evaluation skills to participate in cross-functional teams to develop new features and functions. Conducted tests and investigations pertaining to the development of new designs, methods, materials, or processes and investigate possible application of results. Assisted in the development of methods in quantification of Ultrasonography data and the development of image analysis algorithms, including critiquing of the clinical literature to determine feasibility for incorporation into the ultrasound system software.

Elected to the ATL Senior Technical Staff (STS), 1998 & 1999, to represent Image Quantification
Authored the five-year ATL Corporate Technical Strategy for image quantification and parametric imaging techniques.

Medical Physicist, Oregon Health Sciences University,

December 1991 to November 1996

Responsible for radiological image quality and performance monitoring of imaging equipment within University Hospital and Clinics. Development and implementation of quality assurance programs for the Department of Diagnostic Radiology including Ultrasound, Mammography, CT, Interventional Radiography and Nuclear Medicine. Participation in the introduction of new procedures in these departments to improve image quality and patient outcome. Responsible for clinical teaching throughout the university.

Additional duties included specification and purchasing of imaging equipment, instrumentation calibrations, teaching at both the clinical staff and technologist levels and performance monitoring in Cardiology, consultation to physicians and patients in areas of radiological practices. Serve as a member to the University Radiation Safety Committee, and the Hospital Safety Committee.

Assistant Medical Physicist and Assistant Radiation Safety Officer

Rhode Island Hospital, August 1988–November 1991

Perform a variety of calculations, tests and data analyzes to monitor imaging equipment and radiation levels within the hospital. Assist in the development and implementation of quality assurance programs for the Department of Diagnostic Imaging including Ultrasound, Mammography, CT, Interventional Radiography and Nuclear Medicine. Participate in the introduction of new techniques in these departments including the design of imaging filters and techniques to improve image quality. Additional duties include system management of VAX and other computing facilities throughout the hospital. Provided support to Radiation Oncology for calibrations and treatment planning.

Research Associate

University of Massachusetts Medical Center, September 1986–August 1989

Provided clinical support and conducted studies in nuclear medicine/digital image processing for image reconstruction and pre-filtering, for nuclear medicine image quantification, including research in the stationarity of the two-dimensional modulation transfer function and scatter in Single Photon Emission Tomography. Duties included computer development of software on and use of radioisotopes.

Education & Credentials

American Board of Radiology
Diagnostic Radiological and Nuclear Medical Physics

American Board of Science in Nuclear Medicine
Certification in Physics and Instrumentation

University of Lowell, Lowell, Massachusetts

Doctoral/ Masters Sciences in Radiological Sciences

Massachusetts Maritime Academy, Buzzards Bay, Massachusetts
Bachelor of Science, Marine & Electrical Engineering

University of Portland, Portland Oregon
Engineering Management Sequence

Patents

Ultrasonic Diagnostic Imaging System with customized Measurements and Calculation # 6306089

Committees

DICOM WG 12 Clinical Ultrasound Representative and CO-Author Structured Reporting Supplement 1998 to present
American Association of Physicist in Medicine Professional Relations Member 1998 to 2001

Publications

King MA, Coleman M, Glick SJ, Penney BC, *Activity Quantitation in SPECT: A Study of Pre-Reconstruction Metz Filtering and Use of Scatter Degradation Factor*. Medical Physics 18:184-189, 1991
Coleman M, King MA, Glick SJ, Knesaurek K, Penney BC. : *Investigation of the modulation transfer function and the scatter fraction in conjugate view SPECT restoration*
filtering. IEEE Trans Nucl Sci 36:969-972, 1989
King MA, Coleman M, Leppo JA: *Considerations for cardiac imaging with Indium-111 labeled radiopharmaceuticals*. J Nucl Med Tech. 17:53-57, 1989

Abstracts

Coleman M, Wilson R, Petri B: *Attenuation Properties and Introduction of artifacts by Epicardial Patches in Single Photon Emission Computed Tomography*. Radiology 193: 218 Presented at the Radiological Society of North America annual meeting, 1994
Coleman M, King MA, Glick SJ, Penney BC: *The stationarity of the modulation transfer function and scatter fraction in conjugate view SPECT using In-111* J Nucl Med 30:
775-776 Presented at the Society of Nuclear Medicine 36th annual meeting St. Louis, 1989
Penney BC, King MA, Coleman M, Glick SJ: *Wiener Restoration of combined conjugate Views in SPECT*. J Nucl Med 30:776 Presented at the Society of Nuclear Medicine 36th annual meeting, St. Louis, 1989
King MA, Coleman M, Penney BC, Glick SJ: *Activity Quantitation in SPECT: A Study of Restoration Filtering Coupled with the Use of the Scatter Degradation Factor*.
J Nucl Med 31:739 Presented at the Society of Nuclear Medicine 37th annual meeting, Washington D.C., 1990

Continuing Education

University of Washington C Programming Certificate Program 1998
AAPM Summer School 1995, Computed Tomography and Ultrasound
AAPM Summer School 1993, Digital Imaging
Portland State University, Engineering Management sequence 1995-1996
Portland State University, Digital Signal Processing sequence September 1992 to June 1993
Achieving Excellence in Mammography: The Physicist Role, October 1992/16 hours

AAPM/RSNA Physics of Radiology, Volume X Mammography n October 1994/3 hours
AAPM Summer School 1991, Specification, Acceptance Testing and Quality Control of Diagnostic X-ray Imaging Equipment.
ACR seminar on Quality Control in Mammography, July 1991/16 hours

This is to acknowledge the receipt of your letter/application dated

6/2/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information. Amendment 06-00649-03

☐ Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 137171.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 02120
Status Code: 0
Fee Category: 7C
Exp. Date: 20130630
Fee Comments: CODE 23
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION 1

1. APPLICATION ATTACHED
   Applicant/Licensee: MIDDLESEX HOSPITAL
   Received Date: 20050608
   Docket No: 3001242
   Control No.: 137171
   License No.: 06-00649-03
   Action Type: Amendment

2. FEE ATTACHED
   Amount: /
   Check No.: /

3. COMMENTS

Signed Rebecca Jurnod
Date 6/16/2005

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
   Amendment _____
   Renewal _____
   License _____

3. OTHER _____
   _____

Signed _____
Date _____