

CURRICULUM VITAE - NEALE RAYNE LANGE, MBBCh, FCCP, FAASM

Date: April 12th 2023

Email: E-mail: neale.lange@cuanschutz.edu

Current Appointments: Associate Professor of Medicine
Colorado University School of Medicine
Department of Medicine
Division of Pulmonary Science and Critical Care Medicine.
Denver, Colorado
Appointed March 2023.

Awards and Recognitions: Physician of the Year – Colorado Respiratory Society
2007; Re-nominated for the same award in 2015.

Champions in Health Care Finalists – Denver Business
Journal 2007.

Living the Mission Award – St Anthony’s Hospital 2009.

5280 Denver Top Doc Sleep Medicine 2007 through 2017.
*Voted a 5280 magazine best doctor by my licensed peers in response
to the question, "Which physician would you trust to treat you and your
family?"*

Education: University of the Witwatersrand,
Johannesburg, South Africa
MBBCh (Bachelor of Medicine & Surgery), 1989

Internship: Rotating internship in Medicine and Surgery
Johannesburg General Hospital, University of the
Witwatersrand, South Africa, 1990

Residency: Internal Medicine
SSM St. Mary's Health Center, St. Louis, MO, 1993-1995

Acting Chief Medical Resident, St. Mary's Health Center
St. Louis, MO, 1995

Fellowships: Pulmonary and Critical Care Medicine
Washington University School of Medicine
Barnes-Jewish Hospital, St. Louis, MO, 1996 - 1999

Previous / Other Appointments: Intern representative on the Medical Advisory Committee

Johannesburg General Hospital, 1990

Founder member of Junior Doctors Association of South Africa National Executive Committee Member, 1990

Conscripted National Military Service - South African Defense Force. Rank 2nd Lieutenant, 1991

Part time Medical Officer, Trauma Surgery, Johannesburg General Hospital, University of the Witwatersrand, South Africa, 1991

General Surgical Assistant, Parklane Clinic, Johannesburg, South Africa, 1992

Emergency Room Physician, St. Mary's Health Center, St. Louis, MO, January 1996 - June 1996

Staff Physician, Barnes-Jewish Hospital, St. Louis, MO, 1999 - 2001

Instructor in Medicine
Washington University School of Medicine
Division of Pulmonary and Critical Care Medicine
St. Louis, MO, January 1999 – June 1999

Assistant Professor of Medicine
Washington University School of Medicine
Division of Pulmonary and Critical Care Medicine
St. Louis, MO, July 1999 – June 2001

Sleep Laboratory Medical Director
Parker Adventist Hospital
Parker, Colorado
2008-2013

Sleep Laboratory Medical Director
St Anthony's Hospital
Lakewood Colorado Denver Colorado
April 2003 to 2015

Executive Board member and member of the General Board of Integrated Physician Network iPN Louisville Colorado 2014-2015

Co-Founder and Chief Medical Strategy Officer ICUMetrix
LLC 2013-2015

Member - Colorado Health Neighborhood MND OG
Regional Medical Council – 6/2013-12/2015

Member – Finance Committee, Colorado Health
Neighborhoods (CHN). 2014-2015

Group Sleep Laboratory Medical Director
Mountain North Operating Group MND OG of Centura
2015 – 2016

Co-medical Director of Sleep, Centura health – 2017

Partner
Critical Care Pulmonary, and Sleep Associates 2001-2017

Assistant Clinical Professor of Medicine (Volunteer)
Colorado University
Division of Pulmonary and Critical Care
Denver, Colorado
February 2003 to August 2020

Sleep Consultant focuses on local and international projects
using specific applications to quantify sleep.
September 2017 to present.
www.SleepExpertise.com

Consultant to and Director of – SleepFit SA
Applications of sleep measurement.
January 2019 to 2023.

Staff Physician
UCHealth – Cherry Creek Medical Center
100 Cook Street
Suite 400
Denver, CO 80206
September 2020 – February 2023

Assistant Professor of Medicine
Colorado University
Division of Pulmonary and Critical Care

Denver, Colorado
September 2020 to February 2022

**Medical Licensure and
Board Certification:**

Licensed - State of Colorado
Current Diplomat in Sleep Medicine and Pulmonary
Diseases.
Eligible to re-take Internal Medicine and Critical Care
Boards.

Professional Societies:

Fellow of the American Academy of Sleep Medicine

Lectureships/Symposia

Invited Speaker – Altitude and Sleep. Comprehensive Lung
and Breathing Program Annual Conference, Colorado
Springs, December 2022

Invited Speaker SASOHN Annual Conference; The impact
of Sleep and Fatigue on the human body and how to
measure. Pretoria; November 2019.

Invited Speaker Total Health Conference; Presentations on
Cardiopulmonary Coupling (CPC) and Insomnia, CPC and
medications - the upper airway perspective. Cape Town;
October 2019

Invited Speaker SASOM MEDICHEM Joint Meeting;
Direct Evaluation of Sleep: Bringing clarity to fatigue in
the workplace. Johannesburg July 2019

Invited Speaker Prime Health Meetup, Taxi district; The
Physician's Perspective on Digital Health. Denver;
March 2015

Invited Speaker– Cannabis and sleep, friend or foe.
Colorado Sleep Society 2014

Annual symposia lectures for the Centura sleep network
2013 - 2015

Invited speaker National Jewish Regional Sleep Conference
Denver 2010

Pulmonary and Critical Care Grand Rounds, Washington University School of Medicine, St. Louis. "Lung Cancer Update", 2001

Pulmonary Update for Primary Care Physicians, Washington University School of Medicine, St. Louis. Carcinoma of the Lung: Early Detection, 2001

Clinical Pulmonary Update, Washington University School of Medicine, St. Louis. The Early Detection of Lung Cancer, Napa Valley, California, 2000

CHEST 2000 Faculty, San Francisco, Eye Opener Session, "Early Detection of Lung Cancer", 2000

Internal Medicine Grand Rounds, St. Mary's Health Center, St. Louis, "Early Detection of Lung Cancer – The DOLCE Program", 2000

Pulmonary and Critical Care Grand Rounds, Washington University School of Medicine, St. Louis. "Early Lung Cancer - The DOLCE Program", 1999

Medical Grand Rounds, "Lung Cancer", Veterans Administration Medical Center, St. Louis, 1999

Pulmonary and Critical Care Grand Rounds, Washington University School of Medicine, St. Louis. The Pulmonary Artery Catheter: Into the New Millennium? 1998

Poster presentation - American College of Physicians National Conference in Atlanta. Neuralgic Amyotrophy with Bilateral Diaphragmatic Paralysis, 1995

Current Research:

Impact of a Hospital-Wide Sleep Apnea Screening and Management Protocol on Adult Patient Safety Related Events: A 5-year analysis at a single site – In review

Application of sleep measurement to altitude related sleep considerations.

Bibliography:

- 1) Lange M, Kessel I, Kessler E, Lakier RH, Lange NR, Ross-Thompson S: Intraduct Carcinoma of the Breast. *South African Journal of Surgery* 1994; 32:59-61.
- 2) Lange, NR and Schuster DP: The Measurement of Lung Water. *Crit Care* 1999;3:R19-R24.
- 3) Lange NR, Kozlowski JK, Gust R, Shapiro SD, and Schuster DP: Effect of Partial Liquid Ventilation on Pulmonary Vascular Permeability and Edema after Experimental Acute Lung Injury. *Am J Resp and Crit Care Med* 2000; 162: 271-277.
- 4) Schuster, DP and Lange NR: Clinical Correlation with Changing Radiographic Appearance During Partial Liquid Ventilation. *Chest* 2001;119: 1503-1509.
- 5) Schuster DP, Anderson C, Kozlowski J and Lange N: Regional pulmonary perfusion in patients with acute pulmonary edema. *J nucl Med* 2002;43:863-70.
- 6) Antic N, Malow B, Lange NR, McEvoy, Doug, Olson A, Turkington P, Windisch W, Samuels M, Stevens C, Berry-Kravis E: PHOX2B Mutation-confirmed Congenital Central Hypoventilation Syndrome: Presentation in Adulthood. *Am J Resp and Crit Care Med* 2006; 174: 923-927.
- 7) Caputo M, Hawkes A, Gosche E, Vellman P, Lange N, Salottolo K, Coniglio R, Mains.C: The impact of changing work schedules on American firefighters' sleep patterns and well-being. *SIGNA VITAE* 2015; 10(1): 25-37.
- 8) Hilmisson, H., Lange, N. & Duntley, S.P: Sleep apnea detection: accuracy of using automated ECG analysis compared to manually scored polysomnography (apnea hypopnea index). *Sleep and Breathing* (2018): 1-9.
- 9) Hilmisson H, Sveinsdottir E, Lange N, Magnúsdóttir S: Insomnia Symptoms in primary care: A prospective study focusing on the prevalence of undiagnosed co-morbid sleep disordered breathing. *European Journal of Internal Medicine* (2019); January 25. pii: S0953-6205(19)30024-X. doi: 10.1016/j.ejim.2019.01.011.
- 10) Objective sleep quality and metabolic risk in healthy weight children results from the randomized Childhood Adenotonsillectomy Trial (CHAT). Hilmisson H¹, Lange N², Magnúsdóttir S³. *Sleep Breath.* 2019 Feb 23. doi: 10.1007/s11325-019-01802-w. [Epub ahead of print].