

**CURRICULUM VITAE
TIMOTHY P. RICH, MD**

BUSINESS ADDRESS:

The Duluth Clinic, Ltd.¹
400 East Third Street
Duluth, MN 55805

PRIMARY PRACTICE SITE:

The Duluth Clinic, Ltd.¹
dba Essentia Health Duluth Clinic
400 East Third Street
Duluth, MN 55805

PRESENT POSITIONS:

2011- Section Chair, Department of Pulmonary, Critical Care and Sleep
Medicine, Essentia Health Duluth Clinic, Duluth, MN
2010- Member, Essentia Medical Group- Duluth²
2007- Physician-Scientist, Essentia Institute of Rural Health, Duluth MN
2007- Assistant Professor, Department of Pulmonary, Allergy, Critical Care
and Sleep Division, University of Minnesota-Minneapolis, Minneapolis,
MN
2006- Staff Physician, Department of Pulmonary, Critical Care and Sleep
Medicine, Essentia Health Duluth Clinic, Duluth, MN

AFFILIATIONS:

The Duluth Clinic, Ltd., dba

- Essentia Health Deer River Clinic
- Essentia Health Lakewalk Clinic
- Essentia Health Virginia Clinic

St. Mary's Hospital of Superior, dba

- Essentia Health St. Mary's – Superior Clinic

MEDICAL STAFF PRIVILEGES:

St. Mary's Medical Center, dba

- Essentia Health St. Mary's Medical Center

SMDC Medical Center, dba

- Essentia Health Duluth

St. Mary's Hospital of Superior, dba

- Essentia Health St. Mary's - Superior

University of Minnesota Medical Center, Minneapolis, MN³

¹ This facility is a wholly owned subsidiary of Essentia Health. See attached "Essentia Health Facilities".
The Essentia Institute of Rural Health, a wholly owned corporation of Essentia Health, is assigned oversight
of research and education for Essentia Health.

² The Essentia Medical Group was formed to provide a common practice environment for all physicians and
credentialed providers within Essentia Health.

³ It is noted that this facility is not an Essentia Health facility; therefore, research will not be conducted at the
facility under the Essentia Health FWA.

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PAST POSITIONS:

2001 Research Assistant, Division of Education and Research, St. Mary's Medical Center and Duluth Clinic, Duluth, MN
1998-2000 Statistician, Department of Psychiatry, University of Minnesota Hospital and Clinic, Minneapolis, MN
1996-1998 Research Project Manager, Department of Psychiatry, University of Minnesota Medical Center, Minneapolis, MN

CERTIFICATION:

2010-2020 American Board of Medical Specialties, Internal Medicine
2012-2022 American Board of Medical Specialties, Pulmonary Medicine
Board Eligible American Board of Medical Specialties, Critical Care Medicine
Board Eligible American Board of Medical Specialties, Sleep Medicine

LICENSURE:

MN
WI

EDUCATION:

1997-2001 University of Minnesota-Minneapolis, School of Medicine, MD, Minneapolis, MN
1985-1988 University of Minnesota-Duluth, BS in Biology and BA in Psychology, Duluth, MN

POSTGRADUATE TRAINING:

2004-2007 University of Minnesota-Minneapolis School of Medicine, Fellowship, Pulmonary and Critical Care Medicine, Minneapolis, MN
2001-2004 University of Minnesota-Minneapolis School of Medicine, Internship and Residency, Internal Medicine, Minneapolis, MN

HONORS/AWARDS:

2009, 2010, 2011 *Top Doctors*, Duluth-Superior Magazine (voted by Peer Physicians
2012, 2013 five consecutive years)
2006 American Thoracic Society, Editorial Board, Fellow
2000 Medical Student Research Grant, Minnesota Medical Foundation
2000 International Rotation Elective, Karolinska Institute, Stockholm, Sweden
1999 David Mercer Externship Research Grant, Minnesota Academy of Family Practice
1999 Harry B Hall Merit Scholarship, Minnesota Medical Foundation
1998 Victor and Robert Von Aughan Merit Scholarship, Minnesota Medical Foundation
1984 Eagle Scout, Troop 229, Superior, WI, Gitchi Gummi District
1974 Arrow of Light, Pack 229, Superior, WI, Gitchi Gummi District

PROFESSIONAL MEMBERSHIPS AND SOCIETIES:

- 2007- American Academy of Sleep Medicine
- 2005- Society of Critical Care Medicine
- 2004- American Thoracic Society
- 2004- American College of Chest Physicians

PUBLICATIONS - JOURNAL ARTICLES:

1. Rich TP, Bastian TW, Groppoli, TJ, Schmechel SC, Huang SA, Mulcahey MA, Mariash CN, Anderson GW, Ingbar DH. Local thyroid hormone inactivation in the lungs of ARDS patients. *New England Journal of Medicine*. (re-submitted, April 1, 2013)
2. Rich TP, Bastian TW, Westholm DE, Laurence PJ, Grappoli TJ, Mariash CN, Ingbar DH, Anderson GW. Thyroid hormone transporter expression is developmentally regulated in rat lung. *Thyroid* (resubmitted April 8, 2013)
- 3.

PRESENTATIONS AND PROFESSIONAL MEETINGS:

1. "Local Thyroid Hormone Inactivation in the Lungs of ARDS Patients", New England Endocrinology Grant Rounds Place, Boston Medical Center. Boston, MA, December 5, 2011.
2. "Expression and Activation of Type 3 Iodothyronine Deiodinase (D3) in Acute Lung injury Human Tissue", American Thyroid Association, 80th Annual Meeting, Palm Beach, FL, September 23-27, 2009.
3. "Expression of Type 3 Iodothyronine Deiodinase (D3) in Acute Lung Injury Human Tissue", American Thoracic Society, San Diego, CA, May 15-20, 2009.
4. Thyroid Hormone Transporter Expression is Regulated by Development and Thyroidal Status in Rat Lung", American Thyroid Association, 77th Annual Meeting, Phoenix, AZ, October 12-15, 2006.

CLINICAL PRESENTATIONS:

1. "Pharmacotherapy and Management of COPD", College of Pharmacy, University of Minnesota, Duluth, MN, December, 6, 2012
2. "Pharmacotherapy and Management of COPD", College of Pharmacy, University of Minnesota, Duluth, MN, October 13, 2011.
3. "Updates in the Management of ARDS", Trauma Conference Grand Rounds, Essentia Health, September 19, 2011.
4. "Critical Care Medicine in Obstetrics," Obstetrics, Gynecology & Women's Health Autumn Conference, University of Minnesota and Essentia Health, Duluth, MN, September 23, 2011.
5. "The Physical Examine of Sleep Medicine", Gateway Clinic, Moose Lake, MN, February 5, 2011
6. "Managing the Adult Airway", Respiratory Therapy Conference, Essentia Health, Duluth, MN, October 30, 2010.
7. "Pharmacotherapy and Management of COPD", College of Pharmacy, University of Minnesota, Duluth, MN, October 20, 2010.
8. "Clinical Pulmonology", Minnesota Academy of Physician Assistants State Conference, Duluth, MN, September 10, 2010

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9. "Nebulized Prostacyclin in the Management of ARDS: An Evidence-Based Review", Trauma Conference Grand Rounds, Essentia Health, February 15, 2010.
10. "Prostacyclin and ARDS", Respiratory Therapy Conference, Essentia Health, Duluth, MN, January 2010.
11. "Acute Respiratory Distress Syndrome and Its Treatment", American Academy of Critical Care Nursing Conference, Duluth, MN, October 22, 2009
12. "Fundamental of Mechanical Ventilation and Advanced Mechanical Ventilation", Fundamental Critical Care Support Course, Society of Critical Care Medicine, Essentia Health, Duluth, MN, March 2007, 2008, 2009, 2010, 2011, 2012.

EDITORIAL BOARDS:

1. American Thoracic Society, 2006