

Curriculum Vitae - Dr. Thomas A. Sporn

Curriculum Vitae

Name : Thomas A. Sporn, M.D.

Title: Clinical Associate Professor of Pathology, East Carolina Brody School of Medicine

Adjunct Associate Professor of Pathology, Duke University School of Medicine

Address: Department of Pathology

East Carolina University Brody School of Medicine

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Personal

Date and Place of Birth: 22 November 1957, Rochester New York

Citizen: United States of America

Education:

1976 High School Sidwell Friends School, Washington DC

1982 BA University of Vermont, Burlington B.A. Zoology/German

1986 MD Georgetown University School of Medicine, Washington DC

Professional Training:

Internship, Residencies & Assistantships:

07/01/1986-06/30/1987: Internship in Medicine, Berkshire Medical Center, Pittsfield, Massachusetts

07/01/1987-06/30/1989 Resident, Department of Medicine, Georgetown University Hospital, Washington, DC

07/01/1993-06/30/1994, Resident, Anatomic Pathology, Duke University Medical Center, 07/01/1995-06/30/1997 Durham, North Carolina (Chief Resident 07/01/1996-06/30/1997)

Fellowships:

07/01/1989-06/30/1992 Fellow, Pulmonary Diseases and Critical Care Medicine, Georgetown University Hospital, Washington DC

07/01/1994-06/30/1995 Fellow, Forensic Pathology and Assistant Chief Medical Examiner, North Carolina Office of the Chief Medical Examiner, Chapel Hill, North Carolina

07/01/1997-06/30/1998 Fellow, Pulmonary Pathology (Victor Roggli, Mentor)

Duke University Medical Center, Durham, North Carolina

Clinical & Academic Career:

University Appointments:

1995-1998: Forensic pathologist and Assist Chief Medical Examiner, North Carolina Office of the Chief Medical Examiner

07/01/1998- Assistant Professor of Pathology, Duke University

2008-2020 Associate Professor of Pathology, Duke University, with tenure, Chief, Section of Pulmonary and Thoracic Pathology

7/2/20-7/8/2022 Associate Professor of Pathology, East Carolina Brody School of Medicine, with tenure

8/8/2022- 01/09/2024 Adjunct Associate Professor of Pathology Duke University School of Medicine

01/09/2024-Present Clinical Associate Professor of Pathology East Carolina Brody School

Of Medicine, Forensic pathologist and medical examiner for eastern counties of North Carolina, ECU Health Medical Center

Hospital Appointments and additional work history:

08/01/1992-6/30/1993: Physician, Doctors Clinic Bremerton WA and KRON Comp Health Chapel Hill NC, locum tenens

07/01/1998-7/1/2020 Pathologist, Duke University Medical Center Durham NC

07/01/2020-07/08/2022Forensic Pathologist, Vidant Medical Center/Brody School of Medicine, East Carolina University, Greenville NC

08/09/2022- A01/09/2024 attending Thoracic Pathologist, Duke University Medical Center, Durham NC

Licensure & Certifications:

Medical Licenses: North Carolina 36834. Prior unrestricted licenses in Virginia, Maryland, District of Columbia, Washington State. Not renewed following relocation to North Carolina 1993

Board Certifications:

American Board of Internal Medicine 1989

American Board of Pathology, Anatomic Pathology/Forensic Pathology 2000

Organizations & Participation and Other Professional Positions:

1. Member, Pulmonary Pathology Society

2. Fellow, College of American Pathologists

3. Member, United States- Canada Academy of Pathology

4. Member, United States-Canadian Mesothelioma Reference Panel

5. Member, Clinical Framework for the Basic Sciences Committee, Duke University

School of Medicine

6. Member, International Association for the Study of Lung Cancer

7. Member, National Respiratory Diseases Pathology Alliance, National Clinical Research Center for Respiratory Disease, Guangzhou China

Teaching Responsibilities Past and Present

Duke University School of Medicine: Body and Disease 1, Pathology 305

Duke University Medical Center Department of Pathology

Daily didactic sessions with residents at microscope during sign out Monday Morning Surgical Pathology Unknown Conference

Surgical pathology lecture series/resident didactic curriculum: Pleuropulmonary Neoplasia, Pathology of interstitial and occupational lung diseases

Duke University Medical Center Pulmonary and Critical Care Division

Elective in Thoracic Surgical Pathology for senior fellows

Fellows conferences and Pulmonary Medicine Board review

Autopsy and Forensic Pathology for 2nd and 4th year medical students, Brody School of Medicine at East Carolina University

Didactic sessions in forensic and thoracic pathology for pathology residents, East Carolina University/Vidant Medical Center Dept of Pathology

Teaching/Speaker Experience: National & International

Sporn TA. Pathology of Natural Death. North Carolina Office of the Chief Medical Examiner Annual Conference of Medicolegal Death Investigation, Chapel Hill NC. June 1997

Sporn, T.A., Roggli, V.L.: Calretinin Monoclonal Antibody: Comparison with ultrastructure and other immunohistochemical techniques. Ultrapath IX Society for Ultrastructural Pathology, Asheville, NC, August 1998.

Sporn, T.A., Roggli VL, Pratt PC: Pathology of the Adult Respiratory Distress Syndrome. Pulmonary Pathology Society Companion Meeting VII International Congress of the International Academy of Pathology, Nice, France, October 1998.

Sporn, T.A. Pulmonary Involvement with Anaplastic Large Cell Lymphoma Pulmonary. Pulmonary Pathology Specialty Conference, United States and Canadian Academy of Pathology, San Francisco, CA, March 1999.

Sporn, T.A., Butnor, K. J., Roggli, V.L. Malignant Vascular Tumors of the Pleura, Pulmonary Pathology Society Annual Meeting, August 1999, Asheville, NC.

Sporn TA, Butnor KJ, Vollmer RT, Roggli VL: Tremolite and mesothelioma. Inhaled Particles IX , British Occupational Hygiene Society, Cambridge UK, September 2001

Sporn TA, Butnor KJ, Roggli VL. Epithelioid hemangioendothelioma of the pleura. International Academy of Pathology XXIVth International Congress, Amsterdam NL, October 2002

Sporn TA. Pathology of Pleural tumors. Toyama City Hospital, Toyama Prefecture, Japan, October 2003

Sporn T.A. Viral Pneumonias: Infectious Diseases Specialty Conference, United States and Canadian Academy of Pathology Annual Conference, San Antonio Texas, March 2005

Sporn TA Applications of Microprobe Analysis in Pulmonary Pathology, 63rd Annual Meeting of Microscopy Society of America, Honolulu HI, August 2005

Sporn TA: Analytic Electron Microscopy: Techniques and utilization in the diagnosis of occupational lung disease and pneumoconiosis. Electron Microscopy Working Group, European Congress of Pathology, Paris, August 2005

12. Sporn TA: Pathology of Human Parainfluenza Virus Infection. 64th Annual Meeting of the Microscopy Society of America Chicago, IL July 2006

13. . Sporn TA: Epithelioid Hemangioendothelioma, Short Course on Pleural Tumors. International Academy of Pathology XXVI Annual Congress, Montreal Canada September 2006

14. Sporn TA. Electron Microscopy as Adjunct in the Diagnosis of Lung Tumors in the Adult. Society for Ultrastructural Pathology Companion Meeting, United States and Canadian Academy of Pathology Annual Meeting, San Antonio Texas, 2011

15. Session chair Pulmonary Pathology and Microprobe Analysis, UltraPath XVII biennial meeting Meeting Society for Ultrastructural Pathology, Asheville NC 2014

16. Short course faculty, SC59 Occupationally-related pleural and pulmonary disorders in the 21st century (USCAP annual meeting 2016-2016, 3 year term)

17. Sporn TA. Pathology of Connective Tissue Disease-Associated Interstitial Lung Disease. National Clinical Research Center for Respiratory Disease. Guangzhou, China September 2019

18. Sporn TA. Forensic Pathology of Occupational Lung Disease. Department of Pathology Brody School of Medicine East Carolina University October 2019

Keynote Speaker:

Pathology of Asbestos related Lung Disease, North Carolina Society of Pathologists Annual Meeting, Greensboro, October 2005

Duke Medical School Courses:

Body and Disease I: Pathology of Neoplastic/Non Neoplastic Lung Diseases lectures and demonstration series, clinicopathologic correlative conferences

Other Duke Conferences

Weekly Multidisciplinary Chest Conference

Weekly Thoracic Oncology Program Conference

Weekly Interstitial Lung Diseases Clinic Patient Care Conference

Principal Clinical & Hospital Service Responsibilities:

Thoracic Pathology section, division of surgical pathology

Research Interests:

Pathology of interstitial lung disease, occupational lung diseases, pneumoconiosis, asbestos-associated lung disease, cancers of the lung, pleura and mediastinum.

BIBLIOGRAPHY

Read, C.A., Sporn, T.A., Yeager, H.H. Parapneumonic Effusion, a Pitfall in Diagnosis Chest 1992;

101: 1712-1715

Kong, F.K., Anscher, M.D., Sporn, T.A., Washington, M.K., Jirtle, R.L. et al. Loss of heterozygosity at the mannose 6-phosphate insulin-like growth factor 2 receptor locus predisposes patients to radiation-induced lung injury. *Int J Radiat Oncol Biol Phys* 2001 49: 35-41.

Abushamaa A.M., Sporn, T.A., Foltz, R.J.: Oxidative stress and inflammation contribute to lung toxicity after a common breast chemotherapy regimen. *Am J Physiol Lung Cell Mol Physiol* 2002 336-345

Marom, E.M., McAdams, H.P., Sporn, T.A., Goodman, P.C. Lentil aspiration pneumonia: radiographic and CT findings. *JCAT* 1998; 22:598-600.

Nolan, R.L. McAdams, H.P., Sporn, T.A., Roggli, V.L., Tapson, V.F. Cholesterol granulomas in patients with pulmonary arterial hypertension: radiographic and CT findings. *AJR* 1999; 172:1317-9.

Marom, E.M., McAdams, H.P., Palmer, S.M., Erasmus, J.J., Sporn, T.A., Tapson, V.F., Davis, R.D., Goodman, P.C. The utility of thoracic CT in the pre lung transplant evaluation of patients with cystic fibrosis. *Radiology* 1999; 213:283-288.

Rossi, S., McAdams, H.P., Erasmus, J.J., Sporn, T.A. Roentgenogram of the month: 63 year old woman with two month history of dyspnea. *Chest*. 2000 117(5) 1505-1507.

Matar, L.D., McAdams, H.P., Sporn, T.A. Hypersensitivity pneumonitis. *AJR. Am J Roentgenol* 2000 174(4) 1061-6.

Stamat, J.C., Chekan, E.G., Ali, A., Ko, A., Sporn, T.A., and Eubanks, W.S. *J Lap Adv Surg Tech* 9:5; 433-437, 1999.

Crotty EJ, Mc Adams HP, Erasmus JJ , Sporn TA, Epithelioid hemangioendothelioma of the pleura: Clinical and radiologic features. *AJR Am J Roentgenol* 2000 175(6) 1545-9.

Rossi SE, McAdams HP, Mc Adams HP, Sporn TA, Goodman PC. Pulmonary drug toxicity: radiologic and pathologic manifestations. *Radiographics* 2000 20(5):1245-1259

Harpole DH, Moore MB, Herndon JE, Aloia T, D'Amico TA, Sporn TA et al. The prognostic value of molecular marker analysis in patients treated with trimodality therapy for esophageal cancer *Clin Cancer Res* 2001 7(3) 562-569

14. Ravenel JG, McAdams HP, Plankeel JF, Butnor KJ, Sporn TA. Sarcoidosis induced by interferon therapy. *Am J Roent* 2001 177(1): 199-201

Bhagat R, Sporn TA, Long GD, Folz RJ. Amiodarone and cyclophosphamide: potential for enhanced lung toxicity. *Bone Marrow Transplant* 2001 27(10) 1109-1111.

Butnor KJ, Sporn TA, Dodd LG. Fine needle aspiration cytology of mucinous cystadenocarcinoma of the lung. *Acta Cytol* 2001 45(5): 779-783.

Butnor KJ, Sporn TA, Hammar SP, Roggli VL. Well-differentiated papillary mesothelioma. *Am J Surg Pathol* 2001 25(10) 1304-1309.

Butnor KJ, Sporn TA, Roggli VL. Pulmonary apical cap. *Am J Surg Pathol* 2001 25(10):1344

Hadjiliadis D, Sporn TA, Perfect JR, Tapson VF, Davis RD, Palmer SM. Outcome of lung transplantation in patients with mycetomas. *Chest* 2002 121(1): 128-134.

Roggli VL, Sharma A, Butnor KJ, Sporn T, Vollmer RT. Malignant mesothelioma and occupational exposure to asbestos.: a clinicopathological correlation of 1445 cases. *Ultrastruct Pathol* 2002 26(2) 55-65.

Voynow JA, Schanberg L, Sporn T, Kredich D. Pulmonary complications associated with Kawasaki disease. *J Pediatr* 2002 140(6) 786-7.

Roggli VL, Vollmer RT, Butnor KJ, Sporn TA. Tremolite and mesothelioma. *Ann Occup Hyg* 2002 46(5) 447-53.

Sporn TA, Butnor KJ, Roggli VL. Epithelioid hemangioendothelioma of the pleura: an aggressive vascular malignancy and clinical mimic of malignant mesothelioma. *Histopathol* 2002 41(5, suppl 2) 173-176

Butnor KJ, Sporn TA Ingram P, Gunasegaram S, Pinto JF, Roggli VL. Beryllium detection in human lung tissue: A novel application of energy dispersive X-ray analysis. *Ann Occup Hyg* In Press.

Butnor KJ, Sporn TA and Roggli VL. Brake dust exposure and malignant mesothelioma. *Ann Occup Hyg*, 2003 47(4) 325-30.

Butnor KJ, Sporn TA Human parainfluenza virus giant cell pneumonia following cord blood transplant associated with pulmonary alveolar proteinosis. *Arch Pathol Lab Med* 2003 127(2) 235-238.

25. Volmar KE, Sporn TA, Cummings TJ. Pathologic Quiz case: A 54-year old man with multiple pulmonary nodules. *Arch Pathol Lab Med* 2003 127(7) e319-320

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30. Butnor KJ, Burchette JL, Sporn TA, Hammar SP, Roggli VL. The spectrum of Kit (CD117) immuno reactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature *Arch Pathol Lab Med* 2004 128 (5) 538-543

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malignant melanoma. Pulmonary Langerhans histiocytosis (eosinophilic granuloma) Arch Pathol Lab Med 2005 129(5) 136-137

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associated with nitrofurantoin. Lung 2006 184:147-9

37. Yang IV, Burch LH, Steele MP, Savov JD, Hollingsworth JW, McElvania TE, Berman KG, Speer

MC. Sporn TA, Brown KK, Schwarz MI, Schwartz DA. Gene expression profiling of familial and sporadic interstitial pneumonia. Am J Respir Crit Care Med 2007 (175): 45-54

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39. Butnor KJ, Sporn TA, Ordonez N Recommendations for the reporting of pleural mesothelioma. Virchows Archiv 2007 450 15-23

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evaluating asbestos concentration by phase contrast microscopy, scanning electron microscopy and analytical transmission electron microscopy as illustrated from a case report. *Inhal Toxicol* 2008 12

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171-7.

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Sarcomatoid mesothelioma: a clinical pathologic correlation of 326 cases. *Mod Pathol*

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51. Schneider F, Sporn TA, Roggli VL. Asbestos fiber content of lungs with diffuse interstitial fibrosis:

An analytical scanning electron microscopic analysis of 249 cases. *Arch Pathol Lab Med* 2010

134 :457-61

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57. Leslie KO, Cool CD, Sporn TA, Curran-Everett D, Steele MP, Bronw KK, Wahidi MM, Schwartx DA/ Familial interstitial fibrosis: histopathology and survival in 30 patients. *Arch Pathol Lab Med* 2012 136 (11): 1366-76.

58. Pavlisko EN, Roggli VL, Sporn TA. Relationship between pulmonary emphysema and renal function in smokers. *Chest* 2013 143(5):1516-7

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61. Sporn TA, Roggli VL. A hard (metal) case: Value of scanning electron microscopy. *Ultrastruct Pathol*. 2016 Mar 8 1-3 (Epub ahead of printing).

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63. Roggli VL, Sporn TA. Carcinoma of the lung in the absence of asbestosis. The value of lung fiber burden analysis. *Ultrastruct Pathol* 2016 (3): 151-4

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65. Dahhan T, Kaushk SS, He M, Mammarappallil JG, Tapson VF, McAdams HP, Sporn TA, Rajagopal S. Abnormalities in hyperpolarized (129) Xe magnetic resonance imaging and spectroscopy in two patients with pulmonary vascular disease. *Pulm Cir*. 2016 6 (1) 126-31

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68. Butnor KJ, Pavlisko EN, Sporn TA, Roggli VL. Malignant mesothelioma in individuals with non-mesothelial neoplasms. *Arch Pathol Lab Med* 2018 142 (6): 730-734

69. Butnor KJ, Rueckert J, Pavlisko EN, Sporn TA, Roggli VL. Malignant mesothelioma in patients with endometriosis *J Clin Pathol* 2018 71(11):971-074

70. Carney JM, Mammarappallil JG, Sporn TA, Pavlisko EN. Dendriform pulmonary ossification leading to bilateral lung transplant *Virchows Arch* 2018 473 (3) 379-383

71. Carney JM, Pavlisko EN, Sporn TA, Roggli VL. Dusting off the numbers of in situ particle analysis: a 35-year experience. *Ultrastruct Pathol* 2019 43(2-3): 110-116

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73. Pavlisko EN, Sporn TA, Roggli VL. Mesothelioma in women: A study of 354 cases *Am J Surg Pathol* 2020 44(3) 293-304

74. Roggli VL, Carney JM, Sporn TA, Pavlisko EN. Talc and mesothelioma: a mineral fiber analysis of 65 cases with clinicopathological correlation. *Ultrastruct Pathol* 2020 18: 1-8

75. Carney JM, Sporn TA, Roggli VL. Diagnosis of asbestosis in the 21st century: A clinicopathologic study of 102 cases. *Ultrastruct Pathol* 2024 43: 137

Non- Small Cell Lung Cancer: Practice Guidelines in Oncology v.2.2005 (National Comprehensive Cancer Center Network) NCCN Non-small cell lung cancer panel member

Co-editor Pathology of Asbestos-Associated Diseases (Roggli VL, Oury TD, Sporn TA, eds)2nd and 3rd Edition, Springer Verlag, New York, 2014,

Sporn TA, Schneider F. Cytopathology Ch 4 in, Pathology of Asbestos-Associated disease (Roggli VL, Oury TD, Sporn TA, eds) 3rd edition Springer New York, 2014

EN Pavlisko Sporn TA, Mesothelioma Ch 5 in, Pathology of Asbestos-Associated Diseases (Roggli VL, Oury TD, Sporn TA, eds) 3rd edition Springer New York, 2014

Sporn TA, Roggeli VL Asbestosis Ch 9 in Pathology of Asbestos Associated Diseases (Roggli VL, Oury TD, Sporn TA, eds) 3rd edition Springer New York, 2014

Sporn, T.A., Roggeli, V.L., Shelburne, J.D., Ingram, P: Overview of applications in medicine, Chapter 3 In: Biomedical Applications of Microprobe Analysis. (Ingram, P., Shelburne, J., Roggeli, V., LeFurgey, A., eds.), Academic Press: New York, 1999,

Sporn TA and Roggeli VL Pneumoconioses, Mineral and Vegetable, Ch 26 In: Dail and Hammar's Pulmonary Pathology (Fraire AE, Cagle PT and Tomshewski JT, eds) Springer New York 2008

Sporn TA Primary Pleural Neoplasms, Ch 33 In: Pulmonary Pathology (Farver CE, Zander DT eds) Elsevier 2008

Sporn TA, Roggeli VL Predominantly mature interstitial fibrosis, Ch 5 In: Diagnostic Pulmonary Pathology (Cagle PT, Allen TC, Beasley MB, eds) Informa Publishing, 2008

Sporn TA. Mineralogy of asbestos, Ch 1 in Malignant Mesothelioma (Tannapfel A) Springer Heidelberg 2011 p 1:

Sporn TA, Roggeli VL. Pathology of Occupational Lung Disease, In: Spencers Pathology of the Lung, 3rd ed (Flieder DL, Hasleton P,eds) Churchill Livingston, 2012

Sporn TA. SV40 and the lung, Ch 22, In: Viruses and the Lung (Fraire AE, Woda BA, Welsh RM, Krdin RL, eds), 2014 Springer Berlin Heidelberg

Sporn TA Roggeli VL Consideration of Occupational Lung Disease in Forensic Pathology Acad Forensic Pathol (4) 370-385 2015

Kraynie A, Sporn T. Primary Pleural Neoplasms, Ch 32 In: Pulmonary Pathology, 2nd ed (Farver CE, Zander DT,eds) Elsevier Philadelphia 2017 p.642