

RICHARD B. GUTTLER, M.D.

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PERSONAL INFORMATION:

Business Address: Santa Monica Thyroid Diagnostic Medical Group, Inc.
1328 16th Street
Santa Monica, California 90404

Web Address: www.thyroid.com

Business Phone: (310) 393-8860

Home Address: 18329 Clifftop Way
Malibu, California 90265

Home Phone: (310) 573-0406

Date of Birth: June 19, 1942

Place of Birth: Chicago, Illinois

Sex: Male

Marital Status: Married

Children: 5

EDUCATION:

High School: Niles Township High School, Skokie, Illinois, June 1960

College: University of Illinois, Chicago, Pre-Medicine and English
literature June 1963

Medical School: University of Illinois College of Medicine, Chicago, Illinois,
M.D., June 1967

Internship: Straight Medical Intern, Los Angeles County-USC Medical
Center, Los Angeles, CA. June 1967 – June 1968

Residencies: Los Angeles County-USC Medical Center, Resident in
Medicine. July 1968 to June 1971 (first and second year
medical residency).

Fellowships:

Special Research Fellowship (National Institutes of Health, Division of Arthritis and Metabolic Diseases), University of Southern California School of Medicine, under the direction of Dr. John T. Nicoloff, July 1972 – 1974.

Clinical Endocrine Fellowship, Los Angeles County-USC Medical Center, 1972 – 1974, Dr. Richard Horton, Chief, Endocrine Division.

Royal Society of Medicine Traveling Fellow (to England), Royal Victoria Infirmary, Newcastle upon Tyne, London, England, under the direction of Dr. Reginald Hall, August 1974 – October 1974.

Further Specialist Training, Thyroid Radioisotope Training Course. Course Director: Jan K. Siemsen, M.D., Associate Professor, Head, Nuclear Medicine Section, LAC-USC Medical Center, License #2739-70.

Honors and Awards: Alpha Omega Alpha

Licensure: California, 1968

Board Certification:

American Board of Internal Medicine, certified June 1972

Subspecialty: Endocrinology Board, October 1973

PROFESSIONAL BACKGROUND:

Academic Appointments:

- Clinical Fellow in Endocrinology, 1972 – 1974.
- Clinical Instructors, 3/6/75 – 76. University of Southern California School of Medicine
- Asst. Clinical Professor of Medicine, 1976 – 1979.
- Associate Professor of Medicine, 1979 – 1991.
- Clinical Professor of Medicine, 1991 – present.

Specific Teaching Responsibilities:

- Thyroid rounds, LAC-USC Medical Center, May – July 1974.
- Attending Physician, Thyroid Clinic, LAC-USC Medical Center, 1974 – present.
- Clinical Endocrine Fellow, LAC-USC Medical Center, 1972 – 1974.
- Chief Clinical Endocrine Fellow, January – March 1973, LAC-USC Medical Center.
- Intensive Review Course, Postgraduate Division, University of Southern California, 1968 & 1972.
- Thyroid consultant to Family Practice Training Program of UCLA at Santa Monica Hospital (Sanford Bloome, M.D.), Director, 1974 – 1998.
- Senior Elective in my office of Family Practice Residency, Santa Monica Hospital/UCLA Medical Center, 1974 – 1998.
- Visiting Professor, University of Nairobi Medical School, 1976.

- Visiting Professor, University of Papua New Guinea Medical School, February 1980.
- First needle biopsy of thyroid nodule in New Guinea, 1980. Set up thyroid cytology clinic in Port Moresby in liaison with my clinic, 1980 – 1982.
- First fine needle biopsy of thyroid at Nairobi Hospital, December 1987.
- American Association of Clinical Endocrinologists (AACE), core instructor for basic and advanced ultrasound certification courses. 2006 – present.
- AACE ultrasound certification testing group. Wrote original board certification questions, October 2007.

Specific Administrative Responsibilities:

- Director, Santa Monica Thyroid Diagnostic Center, 1974 – present.
- Editor, Thyroid Newsletter, www.thyroid.com, 2001 – present.

Military Service:

- Major, U.S. Army, 1969 – 1971, Hon. Discharge, 1973. Preventive Medical Officer/Asst. Chief, Environmental Sciences, U.S. Army, Madigan General Hospital, Ft. Lewis, Tacoma, Washington, October 1969 – July 1971.
- Preventive Medicine School. U.S. Army, Brooks General Hospital, Ft. Sam Houston, Texas, July 1969 – October 1969; U.S. Army Preventive Medicine Certificate, October 1969.
- Aborted a meningococcal meningitis epidemic at Ft. Lewis by minocycline prophylaxis to 18,000 troops, 1970.

Other Significant Employment:

- Endocrine Staff Consultant, Rancho Los Amigos Hospital, Downey, CA 1974 – 1985.
- Internal Medicine Consultant and Staff to Neurology Service, Rancho Los Amigos Hospital, Santa Monica, CA, 1974 – 1985.
- Staff, St. John's Hospital, Santa Monica, CA 1974 – 1998.
- Staff, Santa Monica Hospital Medical Center, Santa Monica, CA, 1974 – 1999.
- Staff, Thyroid Consultant, Cedars-Sinai Medical Center, Los Angeles, CA, 1974 – 1992.

Society Memberships:

Local:

- a. Graduate Society of Internists of LAC-USC Medical Center, 1972 – present.
- b. Crosstown Endocrine Society, 1974 – present.

National:

- a. Endocrine Society, 1979 – present.
- b. American College of Physicians, 1974 – present; elected fellow, 1977.
- c. American Federation for Clinical Research, 1970 – 1992.
- d. American Thyroid Association, 1976 – present.
- e. American Society of Cytopathology, 1985 – present.
- f. American Association of Clinical Endocrinologists, 1992 – present (charter member).

- g. Elected fellow, American College of Endocrinology, 1994 – present.
 - h. Academy of Clinical Thyroidologists.
 - Founding member, 2005.
 - President, 2005 – 2006.
 - Secretary, 2006 – 2008.
 - i. American Institute of Ultrasound Medicine, 2007 – present.
- Overseas:
- a. Royal Society of Medicine, London, England, 1974 – 1975 (affiliated member).

CONSULTANTSHIPS:

Thyroid Consultant, LAC-USC Medical Center, 1974 – present.
Internal Medicine Rancho Los Amigos Hospital, Downey, CA. 1974 – 1985.

RESEARCH ACTIVITIES:

Major Research Interests:

- Thyroid cancer therapy and diagnosis with thyroglobulin cancer marker testing.
- Thyroid hormone and TSH blood testing techniques.
- Pathogenesis of sporadic goiter and toxic nodular goiter.
- Newer methods to evaluate the thyroid nodule for carcinoma including cytopathology.
- Mechanism of action of thyroid hormones.
- Pathogenesis of Graves' disease.
- HIV, AIDS, and thyroid nodular goiter.
- Thyroid ultrasound for diagnosis and treatment of cancer, parathyroid, and cysts.
- Percutaneous ethanol injections to treat cysts and cancer nodes.

Research now in Progress:

- Studies on the physiology of thyroid hormone control of circulating thyrotropin (TSH).
- Studies on non-thyroid hormonal mechanisms for regulating TSH.
- Diagnosis of thyroid hormone resistance syndromes.
- Clinical utility of thyroglobulin measurement in the follow up of patients with differentiated thyroid cancer.
- Parameters for optimizing thyroid hormone suppression of TSH for differentiated thyroid cancer.

Grants:

- Special Research Fellowship (National Institutes of Health), University of Southern California, July 1972 – June 1974.
- Royal Society of Medicine Traveling Fellowship grant, August – October, 1974.

BIBLIOGRAPHY:**PUBLICATIONS:**

1. Guttler RB, Counts GW, Avent CK, Beaty HN: Effect of rifampin and minocycline on meningococcal carrier rats. *J. Infect. Dis.* 124:199-205. 1971.
2. Guttler RB, Beaty HN. Minocycline in the chemoprophylaxis of meningococcal disease. *Antimicrobial Agents and Chemotherapy.* 1:397-402. 1974.
3. Robinson RG, Guttler RB, Rea TH, Nicoloff JT. Delayed hypersensitivity in Graves' disease. *J. Clin. Endo. Metab.* 38:322-324. 1974.
4. Sargent EN, Schulman A, Meyers HI, Guttler RB, Nicoloff JT, Di Fazio LT. A new contrast medium for cholangiocholangiography: Meglumine iodoxamate. *Am. J. Roent., Rad. Ther. & Nuc. Med.* 125:258. 1975.
5. Guttler RB, Shaw JW, Otis CL, Nicoloff JT. Epinephrine induced alterations in urinary cyclic AMP in hyper- and hypothyroidism. *J. Clin. Endo. Metab.* 41:707-711. 1975.
6. Guttler RB, Croxson MS, DeQuattro VL, Warren DW, Otis CL, Nicoloff JT. The effects of thyroid hormone on plasma adenosine 3', 5' monophosphate production in man. *Metab.* 26:1155-1162. 1977.
7. Guttler RB. Thyroid diseases: A practical guide to testing. *Calif. GP.* 29:13-18. 1978.
8. Guttler RB, Otis CL, Shaw JW, Warren DW, Nicoloff JT. Adenyl cyclase (AC) a potential site for thyroid hormone action. *Clin. Res.* 22:340A. 1974.
9. Spencer CA, Guttler RB, Resenfeld A, Nicoloff JT. Physiological relevance of subnormal serum TSH measurement. International Thyroid Function Tests Symposium, Marseille, France. May 9-10, 1985.
10. Spencer CA, Platler BW, Guttler RB, Nicoloff JT. Heterogeneity of 125I-labeled human thyroglobulin preparations. *Clin. Chem. Acta.* 151:121-132. 1985.
11. Spencer CA, Lai-Rosenfeld AO, Guttler RB, LoPresti J, Marcus AO, Nimalasuriya A, Doss RC, Green BJ, Nicoloff JT. The significance of subnormal TSH levels in patients on exogenous T4 suppression: Assessment by a sensitive immunoenzymometric assay (IEMA). *J. Clin. Endo. Metab.* 63:349-355. 1986.
12. Gray D, Spencer C, Guttler RB, Bray G, Nicoloff JT. Does an abnormality in thyroid hormone function exist in human obesity? *Clin. Res.* 34:59. 1986.
13. Spencer CA, Patel A, Guttler RB, Nicoloff JT. The initial application of a highly sensitive chemiluminescent immunometric TSH assay to the evaluation of pituitary-

thyroid interrelationships in man. *Amer. Thy. Assoc.* Montreal, Canada. October 29, 1988.

14. Schwarzbein D, Spencer C, Fink S, Guttler R, Shen D, Nicoloff JT. Is there clinical utility in TRH tests measured by sensitive TSH (S-TSH) assays? *Western Section, AFCR.* Carmel, California. February 7-10, 1989.
15. Spencer CA, LoPresti JS, Patel A, Guttler RB, Eigen A, Shen D, Gray D, Nicoloff JT. Applications of a new chemiluminometric TSH assay to subnormal measurement. *J. Clin. Endo. Metab.* 70:453-60. 1990.
16. Spencer CA, Schwarzbein D, Guttler RB, LoPresti JS, Nicoloff JT. Thyrotropin (TSH) releasing hormone stimulation test responses employing third and fourth generation TSH assays. *J. Clin. Endo. Metab.* 76:494-498. 1993.
17. Guttler RB, Singer PA, Axline SG, Greaves TS, McGill JJ. Pneumocystis carinii thyroiditis. *Arch. Intern. Med.* 153:393-396. 1993.
18. Spencer CA, Takeuchi M, Kazarosyan M, Wang CC, Guttler RB, Singer PA, Fatemi JS, LoPresti JS, Nicoloff JT. Serum thyroglobulin autoantibodies: Prevalence, influence on serum thyroglobulin measurement, and prognostic significance in patients with differentiated thyroid carcinoma. *J. Clin. Endo. Metab.* 83:1121-1127. 1998.
19. Baskin HJ, Cobin RH, Duick DS, Gharib H, Guttler RB, Kaplan MM, Segal RL. American Association of Clinical Endocrinologists medical guidelines for clinical practice for the evaluation and treatment of hyperthyroidism and hypothyroidism. *Endocrine Practice.* 8(6), Nov/Dec 2002.

CHAPTERS:

1. Guttler RB, Otis CL, Shaw JW, Warren DW, Nicoloff JT. The effect of thyroid hormone on adenyl cyclase (AC), a potential site for thyroid hormone action. Proceedings of an international symposium held in Glasgow, Scotland. August 7-9, 1974. In *Thyroid Hormone Metabolism*, WA Harland and JS Orr (editors). Academic Press. New York. 201-211.

MANUSCRIPTS IN PREPARATION:

1. Spencer CA, Wang C, LoPresti J, Guttler RB, Singer P. Pre- and Postsurgical serum thyroglobulin (thyroid gland) patterns related to long-term clinical outcome of differentiated thyroid cancers.

ABSTRACTS:

1. Guttler RB, Croxson MA, Otis CL, Shaw JW, Warren DW, Nicoloff JT. The effect of thyroid hormone on Adenyl cyclase (AC): Potential site for thyroid hormone action.

Presented at the American Thyroid Association Meeting, September 18-21, 1974. St. Louis, Missouri.


2. Montoro M, Guttler RB, Spencer CA, Kaptein EM, Nicoloff JT. Adult thyroid screening in hospital patients. *Clin. Res.* 29:39. 1981.
3. Spencer CA, Platler BW, Guttler RB, Lum S, Nicoloff JT. Improvements in 1211 Tg RIA: Separation of athreotic (AT) from normal (N) Tg levels. Presented at the American Thyroid Association Meeting, September 1982, Quebec City. Abstract #T6.
4. Spencer CA, Guttler RB, Rosenfeld A, Nicoloff JT. Physiological relevance of subnormal serum TSH mzm. International TFT Symposium. Marseille. May 9-10, 1985.
5. Spencer CA, Patel A, Guttler RB, Nicoloff J. The initial application of a highly sensitive chemiluminescent immunometric TSH assay to the evaluation of pituitary-thyroid interrelationships in man. Presented at the American Thyroid Association Meeting, Montreal 1988. Abstract #T32.
6. Schwarzbein D, Spencer C, Fink S, Guttler R, Shen D, Nicoloff JT. Is there clinical utility in TRH tests measured by sensitive TSH (S-TSH) assays? Presented WFCR February 10, 1989. *Clin. Res.* 108A.
7. Schwarzbein D, Spencer C, Fink S, Guttler R, Shen D, Nicoloff JT. Is there clinical utility in TRH tests measured by sensitive TSH (S-TSH) assays? American Thyroid Association. San Francisco. 1989.
8. Guttler RB, Axline S, McGill J. Granulomatous subacute thyroiditis due to *Pneumocystis carinii* in AIDS patients receiving aerosolized Pentamidine. Presented at the 10th International Thyroid Conference, Netherlands Congress Centre, The Hague, The Netherlands. February 3-8, 1991.
9. Greaves TS, Guttler RB. Fine needle aspiration diagnosis of pneumocystic thyroiditis in acquired immune deficiency syndrome. Presented at the 39th Congress, American Society of Cytology. Los Angeles, November 5-10, 1991.
10. Spencer CA, Wang C, Guttler RB, Fatemi S, LoPresti JS. Subnormal TSH levels modulate serum thyroglobulin (Tg) in patients with differentiated thyroid cancers (DTC). International Thyroid Congress. Toronto, September 1995.
11. Spencer CA, Fatemi S, Guttler RB, LoPresti JS, Singer P, Nicoloff JT. TSH stimulation of serum thyroglobulin (Tg) may not be necessary to detect residual differentiated thyroid cancer (DTC) if Tg assay sensitivity can be increased 10- to 100-fold. American Thyroid Association, Los Angeles, CA 2002.
12. Fatemi S, Guttler RB, LoPresti JS, Singer P, Spencer CA. Differentiated thyroid cancer (DTC) patients with detectable preoperative serum TgAb have higher risk of



recurrent/persistent disease (R/P). American Thyroid Association. Los Angeles 2002.

INVITED LECTURES/CME CONTRIBUTIONS:

1. Endocrine Grand Rounds, LAC-USC Medical Center. Topic: Thyroid needle biopsy for the endocrinologist. September 12, 1995.
2. Martin Luther King/Drew Medical Center Endocrine Conference: Thyroid nodules and fine needle biopsy cytopathology. December 1, 1995:
3. Endocrine Grand Rounds, LAC-USC Medical Center. Topic: Ultrasound for clinical endocrinologists. June 1, 2007.
4. American Association of Clinical Endocrinologists, national meeting: Cytopathology for clinical endocrinologists. May 6, 2008.
5. Endocrine Grand Rounds, UCLA/Harborview Hospital. Topic: New advances in the use of thyroid ultrasound. June 5, 2008.

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2014 Addendum to CV

Page 3 Specific teaching responsibilities added:

1. Taught AACE workshop Thyroid Cytology for Endocrinologists 2006-13.
2. 2013 workshop on Ethanol ablation of thyroid cysts and eROSE endocrinologists doing on-site adequacy during FNA at World Thyroid Cancer Congress Toronto Canada.

Page 4 Research interests added:

1. Thyroid cancer molecular markers in diagnosis and therapy plans for thyroid cancer patients. Collected 150 nodule samples for the Afirma molecular classifier publications. I was not cited in these publications.
2. Radiofrequency Ablation of benign thyroid nodules, cancer neck lymph nodes and "benign" thyroid cancer by molecular marker analysis in place of standard thyroidectomy and radioiodine.

Page 4 Research in progress:

1. Radiofrequency Ablation of Large Benign thyroid nodules: A three center study with Drs Dan Duick and Mark Lupo. 2014-now.

Page 6. Publications:

#20 RB Guttler et al Centralized molecular testing for oncogenic mutations compliments the local cytopathological diagnosis of thyroid nodules. Thyroid 2014 pending publication.

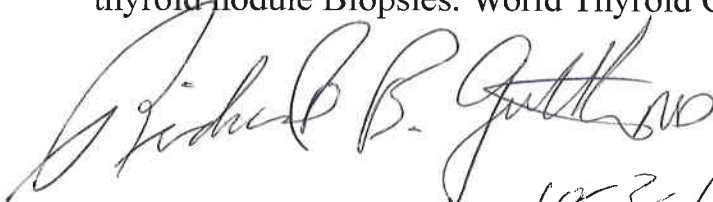
#21 RB Guttler PEI for thyroid and parathyroid cysts and thyroid cancer neck nodal metastasis after neck dissection. VideoEndocrinology Journal 2014 vol 2.

Page 8 Abstracts:

13. Parathyroid Cysts: 4 Unusual Presentations and PEI therapy presented AACE 2012 national meeting.

Invited lectures:

eROSE: Endocrinologists doing on-site adequacy during their thyroid nodule Biopsies. World Thyroid Cancer Congress Toronto 2013



10-3-14