

**CURRICULUM VITAE**  
**PAUL HENRY LANGE**

**EDUCATION:**

Lawrence College, Appleton Wisconsin (B.A.)	1959-1963
Washington University Medical School, St. Louis, Missouri (M.D.)	1963-1967

**APPOINTMENTS:**

Intern, University of Rochester, Rochester, NY	7/67-6/68
Clinical Associate, National Institutes of Health, Bethesda, MD	7/68-6/70
Junior Resident in Surgery, Duke University Medical Center, Durham, NC	7/70-6/71
Senior Resident in Surgery, Duke University Medical Center, Durham, NC	7/71-6/72
Laboratory fellow, University of Minnesota	7/72-6/73
Chief Resident in Urology, University of Minnesota Medical Center Minneapolis, MN	7/73-12/75
Instructor in Urologic Surgery, University of Minnesota Medical Center Minneapolis, MN	1/76-7/77
Staff Urologist, V.A. Medical Center, Minneapolis, MN	1/76-8/88
Acting Chief, Urology Section, V.A. Medical Center, Minneapolis, MN	4/77-5/78
Assistant Professor in Urologic Surgery, University of Minnesota Medical Center, Minneapolis, MN	7/77-6/78
Chief, Urology Section, V.A. Medical Center, Minneapolis, MN	5/78-8/88
Associate Professor in Urologic Surgery, University of Minnesota Medical Center, Minneapolis, MN	7/78-6/81
Professor in Urologic Surgery, University of Minnesota Medical Center Minneapolis, MN	7/81-2/85
Professor and Vice-Chairman, Urologic Surgery, University of Minnesota Medical Center, Minneapolis, MN	3/85-8/88
Professor and Chairman, Department of Urology, University of Washington Affiliate Investigator, Public Health Sciences Division, Fred Hutchinson Cancer Research Center, Seattle, WA	8/88-present
	10/01-present

**BOARD CERTIFICATION:**

American Board of Urology - February 1980 - #93149  
American Board of Urology - January 2006 - #6524

**HONORARY SOCIETIES:**

Alpha Omega Alpha (Honorary Medical Society)  
MACE Honorary Men's Society  
Urologic Research Society  
Urologic Investigators Forum  
American Association of Genitourinary Surgeons



**GRANTS AND FELLOWSHIP AWARDS:**

American Cancer Society Institutional Grant (IN 13). 1/1/73-12/31/73. \$3,000. Principle Investigator.  
 American Cancer Society Clinical Fellowship. 7/72-6/74.  
 American Cancer Society Junior Faculty Fellowship. 7/76-6/79  
 University of Minnesota Institutional Grant - Tumor Immunology Laboratory. 1980-1983. \$60,000/yr. Principal Investigator  
 Veterans Administration Research Grant #5140. 1/77-7/80. \$60,000/yr. Principle Investigator.  
 Veterans Administration Research Grant. 7/80-6/82. \$72,000/yr. Principal Investigator.  
 Veterans Administration Research Grant. 7/82-6/85. \$124,000. Principal Investigator.  
 Veterans Administration Research Grant. 7/85-4/89. \$120,000/yr. Principle Investigator.  
 Veterans Administration Cooperative Study Program. 8/86-5/92. \$158,000. Principal Investigator.  
 National Institutes of Health Research Grant #1ROI CA22753-01. 10/77-10/80. \$62,700/yr. Co-Investigator.  
 National Institutes of Health Research Grant. 1/84-12/86. \$103,000. Co-Investigator.  
 National Institutes of Health Research Grant. 5/85-4/88. \$271,000. Co-Investigator.  
 National Institute of Health O'Brien Center of Excellence in Prostate Cancer 7/93-6/2003 - \$600,000/yr. Principle Investigator.  
 National Institutes of Health Research Grant - Program Project Grant. 12/01-11/30/06 \$10,495,194  
 National Institute of Health/NCI Pacific Northwest Prostate Cancer SPORE - 7/1/02-6/30/07 - \$2,135,065/yr  
 CaP CURE Genetics Consortium 1994-1998. \$600,000/yr  
 Center for Theology and Natural Sciences Grant: Proposal to increase inter-disciplinary dialogue between medical science and faith/value traditions. - 7/1/02-6/30/05 \$70,000

**MEMBERSHIPS:**

American Association for Cancer Research  
 American Association for the Advancement of Science  
 American Association of Genitourinary Surgeons  
 American Medical Association  
 American Society of Clinical Oncology  
 American Urological Association  
 D'Urologie - United States Section, The Society of University Surgeons  
 Fellow American College of Surgeons  
 King County Medical Society  
 Northwest Urological Society  
 The Society of Urologic Oncology  
 The Society of University Urologist  
 Washington State Medical Association  
 Washington State Urology Society  
 Western Section of the American Urological Association

**JOURNAL PUBLICATIONS:**

Klinkerfuss, Lange, O'Leary: EEG abnormalities of children with hyperkinetic behavior. *Neurology* 10:15, 1965.

Lange, P.H., Hakala, T.R., and Fraley, E.E.: Immunobiology of genitourinary tumors. *Urol* II:485, 1973.

Hakala, T.R. and Lange, P.H.: Serum induced lymphoid cell mediated cytotoxicity against human transitional cell carcinoma. *Science* 184:795, 1974.

Hakala, T.R., Lange, P.H., Castro, A.E., Elliott, A.Y. and Fraley, E.E.: Antibody induction of lymphocyte-mediated cytotoxicity against human transitional cell carcinomas of the urinary tract. *New Eng. J of Med.* 291:637, 1974.

Hakala, T.R., Lange, P.H., Castro, A.E., Elliott, A.Y. and Fraley, E.E.: Cell mediated cytotoxicity against human transitional cell carcinoma of the genitourinary tract. *Cancer* 34:1929., 1974.

Hakala, T.R., Lange, P.H., Castro, A.E. Elliott, A.Y. and Fraley, E.E.: Lymphocyte-antibody interaction in cytotoxicity against human transitional cell carcinoma. *J. of Urol* 113:633, 1975.

Lange, P.H., Hakala, T.R., and Fraley, E.E.: Serum alpha-fetaprotein and beta-human chorionic gonadotrophin levels in patients with non-seminomatous germ cell testicular cancer. *Minnesota Medicine* 58:813, 1975.

Fraley, E.E., Lange, P.H. and Hakala, T.R.: Recent studies on the immunobiology and virology of the human urothelial tumors. *Urol Clin. N. Amer.* 3/31-51, 1976.

Lange, P.H., Hakala, T.R., and Fraley, E.E.: Suppression of lymphocyte mediated anti-tumor immunity by human chorionic gonadotropin. *J. Urol* 15:95-98, 1976.

Hakala, T.R., Lange, P.H., Elliot, A.Y. and Fraley, E.E.: Changes in cell mediated cytotoxicity during the clinical course of patients with bladder carcinoma. *J. Urol* 15:268:273, 1976.

Hakala, T.R., Lange, P.H., and Fraley, E.E.: Human cell-mediated cytotoxicity estimated by lymphocyte titration. *Cancer Res.* 36:2915-2922, 1976.

Lange, P.H., Mc Intire, K.R., Waldmann, T.A., Hakala, T.R. and Fraley, E.E.: Serum alpha fetoprotein and human chorionic gonadotropin in the diagnosis and management of nonseminomatous germ-cell testicular cancer. *New Eng. J. Med.* 295:1237-1240, 1976.

Hakala, T.R., Lange, P.H., and Fraley, E.E.: Estimation of human cell mediated cytotoxicity by lymphocyte titration and automated image analysis. IN: *In Vitro Methods in Cell-Mediated Immunity*, VII. Bloom, B.R. and David, J., eds., Academic Press, NY, pp. 451-460, 1976.

Jeffords, D.L., Lange, P.H. and DeWolf, W.C.: Severe hypertensive reaction to indigo carmine. *Urol* IX:180-181, 1977.

**JOURNAL PUBLICATIONS: CONT**

Lange, P.H., Hakala, T.R., and Fraley, E.E.: Classification of the bladder cancer patient based on in vitro measurements of the immune response. *Cancer Res.* 37:2885-2890, 1977.

Kauder, D.H. and Lange, P.H.: Endometrial carcinoma of the prostatic utricle: Case report and review of the literature. *Urol X*:272, 1977.

Lange, P.H., Fraley, E.: Serum alpha-fetoprotein and human chorionic gonadotropin in the treatment of patients with testicular tumors. *Urol Clin. N. Amer.* 4(3):529-536, 1977.

Williams, R.D., Bronson, D.L., Elliott, A.Y., Lange, P.H. and Fraley, E.E.: Human testicular cells in culture. *Urol Clin. N. Amer.* 4(3):529-536, 1977.

Lange, P.H., McIntire, K.R., Waldmann, T.A., Hakala, T.R., and Fraley, E.E.: Alpha-fetoprotein and human chorionic gonadotropin in management of testicular tumors. *J. Urol* 188:593-596, 1977.

Lange, P.H., Hakala, T.R., Vessella, R.L. and Fraley, E.E.: BCG therapy and immunomonitoring in patients with transitional cell and renal cell carcinoma. In: Neoplasm Immunity: Solid Tumor Therapy. Franklin Institute Press, pp. 119-125, 1977.

Fraley, E.E., Markland, C., and Lange, P.H.: Surgical treatment of stage I and II nonseminomatous testicular cancer in adults. *Urol Clin North Am* 4(3): 453-463, 1977.

Lange, P.H., Limas, C. and Fraley, E.E.: Tissue blood group antigens and prognosis in low stage transitional cell carcinoma of the bladder. *J. Urol* 119:52-55, 1978.

Vessella, R.L., Gormus, B.J., Lange, P.H., and Kaplan, M.E.: Heterogeneity among human lymphocyte effector cells mediating spontaneous lymphocyte mediated toxicity. *Internatl. J. Cancer* 21:594, 1978.

Rinehart, J.J., Lange, P.H., Gormus, B.J. and Kaplan, M.E.: Human monocyte-induced tumor cell toxicity. *Blood* 52:211, 1978.

Kiang, D.T., Cavanaugh, A., and Lange, P.H.: Human alpha-fetoprotein and the estrogen receptor assay. *Cancer Res* 38(10): 3566-3567, 1978.

Lange, P.H.: Tumor markers in genitourinary cancer. *Weekly Urology Update Series* 30(1):1-8, 1978.

Rinehart, J.J., Lange, P.H., Gormus, B.J. and Kaplan, M.E.: A new method for isolation of human monocytes. *J. Immunological Methods* 23:207-212, 1978.

Lange, P.H., Hakala, T.R. and Fraley, E.E.: Current concepts in immunobiology of genitourinary tumors. IN: Urology in Practice. Devine, C.J., and Stecter, J.F. Jr., eds. Little, Brown & Co., Boston, pp. 607-627, 1978.

### **JOURNAL PUBLICATIONS CON'T**

Smith, A.D., Lange, P.H., Reinke, D.B. and Miller, R.P.: Extraction of ureteral calculi from patients with ileal loops: A new technique. *J. Urol* 120:623-625, 1978.

Smith, A.D., Lange, P.H., Reinke, D.B. and Miller, R.P.: Introduction of the Gibbons ureteral stent facilitated by antecedent percutaneous nephrostomy. *J. Urol* 120:543-544, 1978.

Norgaard-Pedersen, B., Albrechtsen, R., Lange, P.H., et al: Clinical use of AFP and hCG in testicular tumors of germ-cell origin. Letter to the Editor. *Lancet* 11:1042, 1978.

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Lange P.H., and Smith A.D.: A comparison of the two types of penile prostheses used in the surgical treatment of impotence. *Sexuality and Disability* 1(4):307-312, 1978.

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DeWolf, W.C., Lange, P.H., Einarson, M.E. and Yunis, E.J.: HLA and testicular cancer. *Nature* 277:216-217, 1979.

Rinehart, J.J., Lange, P.H., Gormus, B.J. and Kaplan, M.E.: Characterization and comparison of human monocytes and macrophages induced tumor cell cytotoxicity. *J. of Lab. and Clin. Med.* 93:361-369, 1979.

Lange, P.H., and Fraley, E.E.: The clinical usefulness of AFP and hCG in testicular tumor. IN: Carcino-Embryonic Proteins. V II. Lehman, F.G., editor. Elsevier/North Holland Biomedical Press, pp. 765-770, 1979.

Smith, A.D., Lange, P.H., Miller, R.P. and Reinke, D.B.: Percutaneous U-loop nephrostomy. *J. Urol* 121:355-357, 1979.

Smith A.D., Lange, P.H. and Fraley, E.E.: Applications of percutaneous nephrostomy. New challenges and opportunities in Endourology. Letter to the Editor. *J. Urol* 121:382, 1979.

Smith, A.D., Lange, P.H., Miller, R.P., and Reinke, D.B.: Percutaneous dilatation of ureteroileal strictures and insertion of Gibbons ureteral stents. *Urol* 13(1): 24-26, 1979.

Gonzalez, R., Matthew, A.D. and Lange, P.H.: Deviation of the prostatic urethra in pelvic masses. *Surg., Gyn. and Obst.* 14:429-430, 1979.

Smith, A.D., Lange, P.H., Miller, R.P. and Reinke, D.B.: Dissolution of cystine calculi by irrigation with acetylcystine through percutaneous nephrostomy. *Urol* 13:422-423, 1979.

### **JOURNAL PUBLICATIONS: CON'T**

Smith, A.D., Lange, P.H. and Fraley, E.E.: A comparison of the Small-Carrion and Scott-Bradley penile prostheses. *J. Urol* 121:609-611, 1979.

Smith, A.D., Lange, P.H., Miller, R.P. and Reinke, D.B.: Controlled ureteral meatotomy. *J. Urol* 121:587-589, 1979.

Smith, A.D. and Lange, P.H.: Comment on "Diagnostic renal cyst puncture and percutaneous nephrostomy" (D. Gross). *Urol Clin. N. Amer.* 6(2):425-527, 1979.

Lange, P.H.: Immunologic testing of patients with genitourinary malignancies. *Urol Clin. N. Amer.* 6(3):587-597, 1979.

Smith, A.D., Miller, R.P., Reinke, D.B., Lange, P.H., and Fraley, E.E.: Insertion of Gibbons ureteral stents using endourologic techniques. *Urol IX(4):330-336, 1979.*

Fraley, E.E., Lange, P.H. and Kennedy, B.J.: Germ-cell testicular cancer in adults. *Medical Progress. N. Engl. J. Med.* 301:1370-1377 & 1420-1426, 1979.

Limas, C., Lange, P.H., Fraley, E.E. and Vessella, R.L.: A, B, H antigens in transitional cell tumors of the urinary bladder. Correlation with the clinical course. *Cancer* 44:1099-2107, 1979.

Smith, A.D., Reinke, D.B., Miller, R.P. and Lange, P.H.: Percutaneous nephrostomy in the management of ureteral and renal calculi. *Radiol.* 133(1):49-54, 1979.

Lange, P.H., Bremner, R.D., Horne, C.H.W., Vessella, R.L. and Fraley, E.E.: Is SP-1 a marker for testicular cancer? *Urol V(3):251-255, 1980.*

Lange, P.H., Hekmat, K., Bosl, G., Kennedy, B.J. and Fraley, E.E.: Accelerated growth of testicular cancer after cytoreductive surgery. *Cancer* 45:1498-1506, 1980.

Bosl, G.J., Lange, P.H., Fraley, E.E., Nochomovitz, L.E., Roasi, J., Vogelzang, M.J., Johnson, K., Goldman, A. and Kennedy, B.J.: Vinblastine, Bleomycin and cis-Diamminedichloroplatinum in the treatment of advanced testicular carcinoma. Possible importance of longer induction and shorter maintenance schedules. *Amer. J. Med.* 68:492-496, 1980.

Lange, P.H., McIntire, K.R. and Waldmann, T.A.: Tumor markers in testicular tumor: Current status and future prospects. IN: Testicular Tumors - Management and treatment. L.H. Einhorn, ed., Masson Publishing Co., pp. 69-81, 1980.

Fraley, E.E., Lange, P.H., Williams, R.D. and Ortlip, S.A.: Staging of early nonseminomatous germ-cell testicular cancer. *Cancer* 45:1762-1767, 1980.

Bronson, D.L., Andrews, P.W., Solter, D., Cervenka, J., Lange, P.H., and Fraley, E.E.: Cell line derived from a metastasis of a human testicular germ-cell tumor. *Cancer* 40:2500-2506, 1980.

Lange, P.H. and Limas, C.: Letter to the Editor: Tissue block group antigen testing in transitional cell carcinoma of the bladder. *J. Urol* 124:304, 1980.

### **JOURNAL PUBLICATIONS: CON'T**

Limas, C. and Lange, P.H.: Altered reactivity for A, B, H antigens in transitional cell carcinoma of the urinary bladder - A study of the mechanisms involved. *Cancer* 46:1366-1373, 1980.

Smith, A.D., Sazama, R.C. and Lange, P.H.: Penile prosthesis: Adjunct to treatment in patients with neurogenic bladder. *J. Urol* 124:363-364, 1980.

Lange, P.H.: Testicular tumor markers. *Laboratory Management* 27-32, October 1980.

Smith, A.D. and Lange, P.H.: Impotence: Pathogenesis and evaluation. *Minn. Medicine* 63(10): 701-705, 1980.

Lange, P.H., Nochomovitz, L.E., Rosai, J., Fraley, E.E., Kennedy, B.J., et al.: Serum alpha-fetoprotein and human chorionic gonadotropin in patients with seminoma. *J. Urol* 124:472-478, 1980.

Bosl, G.J., Kwong, R., Lange, P.H., Fraley, E.E. and Kennedy, B.J.: Vinblastine intermittent Bleomycin, and single dose cis-dichlorodiammineplatinum (II) in the management of stage III testicular cancer. *Cancer Treatment Reports* 64:331-334, 1980.

Narayan, P. and Lange, P.H.: Current controversies in the management of carcinoma of the prostate. *Sem. in Oncol.* 7:460-467, 1980.

Norgaard-Petersen, B., Raghavan, D. Lange, P.H., et al.: Germ cell tumors: A Collaborative review. *Oncodevel. Biol. and Med.* 1:327-358, 1980.

Limas, C. and Lange, P.H.: Reactivity of transitional cell carcinoma of the urinary bladder for A, B, H isoantigens: It's Prognostic significance. IN: Tumor Progression. Crispen, R.G., ed., Elsevier/North Holland Biomedical Press, pp. 101-123, 1980.

Narayan, P. and Lange, P.H.: The surgeon's laboratory: The surgical treatment of impotence. *Surgical Rounds* 4(1): 14-23, 1981.

Narayan, P. and Lange, P.H.: Semirigid penile prosthesis in the management of erectile impotence. *Urol Clin. N. Amer.* 8(1): 169-179, 1981.

Bosl, G.J., Lange, P.H., Nochomovitz, L.E., Goldman, A., et al.: Tumor markers in advanced nonseminomatous testicular cancer. *Cancer* 47:572-576, 1981.

Lange, P.H.: Serum tissue markers of testicular tumors. *Interntl. J. Androl.* 4:191, 1981.

DeWolf, W.C., Lange, P.H., Shepherd, R., et al.: Association of HLA and renal cell carcinoma. *Human Immunology* 1:41-44, 1981.

Lange, P.H.: The clinical value of alpha-fetoprotein (AFP) and human chromic gonadotropin (hCG) in the management of testicular cancer. IN: Alphafetoprotein Assays and Their Clinical Application. Nakmura, R.M., and Kirkpatrick, A., eds., Masson Publ., Co., pp.107-113, 1981.

### **JOURNAL PUBLICATIONS: CON'T**

Bosl, G.J., Lange, P.H., Fraley, E.E., Goldman, A., Nochomovitz, L.E., Rosai, J., et al.: Human chorionic gonadotropin and alpha-fetoprotein in the staging of nonseminomatous testicular cancer. *Cancer* 47:328-332, 1981.

Bosl, G.J., Lange, P.H., Fraley, E.E., et al.: Impact of delay in diagnosis on clinical stage of testicular cancer. *Lancet* II:970-973, 1981.

Lange, P.H.: Tumor Immunology: A review of the basic concepts with special reference to bladder cancer. IN: AUA Monographs - Bladder Cancer, V1. Bonney, W.W. and Prout, G.R., Jr., eds., Williams and Wilkens Publ. Co., Baltimore, MD. pp. 119-132, 1982.

Limas, C., Coon, J., Lange, P.H., and Weinstein, R.S.: ABH antigens in human urinary bladder carcinomas: Detection and Clinical application: IN: AUA Monographs - Bladder Cancer, V1. Bonney, W.W. and Prout, G.R., Jr., eds., Williams and Wilkens Publ. Co., Baltimore, MD. pp. 69-80, 1982.

Lange, P.H., and Fraley, E.E.: Use and misuse of tumor markers in testicular cancer. IN: Recent Advances in Clinical Oncology, V1. C.J. Williams and J.M.A. Whitehouse, eds., Churchill Livingstone Publ. Co. pp. 95-106. 1982.

Miller, R.P., Reinke, D.B., Clayman, R.V., and Lange, P.H.: Percutaneous approach to the ureter. *Urol Clin. N. Amer.* 9(1):31-40, 1982.

Clayman, R.V., Miller, R.P., Reinke, D.B., and Lange, P.H.: Nephroscopy: Advances and adjuncts. *Urol Clin. N. Amer.* 9(1):51-60, 1982.

Miller, R.P., Reinke, D.B., Clayman, R.V., and Lange, P.H.: Reestablishment of a nephrostomy tract. *Urol Clin. N. Amer.* 9(1):75-78, 1982.

Lange, P.H.: Testicular cancer markers. IN: Human Cancer Markers, S. Sell and B. Wahren, eds., Humana Press, New Jersey, pp. 259-273, 1982.

Narayan, P., Lange, P.H., and Fraley, E.E.: Ejaculation and fertility after extended retroperitoneal lymph node dissection for testicular cancer. *J. Urol* 127:685-688, 1982.

Limas, C. and Lange, P.H.: ABH antigen detectability in normal neoplastic urothelium. *Cancer* 49:2476-2484, 1982.

Limas, C., and Lange, P.H.: Tissue blood group associated antigens in urothelial neoplasia: Theory and clinical application. *World Urology Update Series*, V1, Lesson 10:1-7, 1982.

Lange, P.H.: Marker Proteins as a guide in clinical management of genitourinary cancer. IN: Genitourinary Cancer, V1. D.F. Paulson, editor. Martinus Nijhoff Publ., The Hague, The Netherlands, pp. 45-72, 1982.

### **JOURNAL PUBLICATIONS: CON'T**

Lange, P.H., Millan, J.L., Stigbrand, T., Vessella, R.L., et al.: Placental alkaline phosphatase as a tumor marker for seminoma. *Cancer Res.* 42:3244-3247, 1982.

Kaye, K.W. and Lange, P.H.: Mode of presentation of invasive bladder cancer: Reassessment of the problem. *J. Urol* 128:31-33, 1982.

Damjanov, I., Fox, N., Knowles, B.B., Solter, D., Lange, P.H., and Fraley, E.E.: Immunohistochemical localization of murine stage specific embryonic antigens in human testicular germ cell tumors. *Amer. J. Path.* 108:225-230, 1982.

Vogelzang, N.J., Lange, P.H., Goldman, A., Vessella, R.L., Fraley, E.E., and Kennedy, B.J.: Acute changes of alpha-fetoprotein and human chorionic gonadotropin during induction chemotherapy of germ cell tumors. *Cancer Res.* 42:4855-4861, 1982.

Lange, P.H.: Serum tumor markers in testicular cancer. *World Urology Update Series*, V1, Lesson 19:1-8, 1982.

Raghavan, D., Vogelzang, N.J., Bosl, G.J., Nochomovits, L.E., et al: Tumor classification and size in germ cell testicular cancer: Influence on the occurrence of metastases. *Cancer* 50:1591-1595, 1982.

Raghavan, D., Vogelzang, N.J., Goldman, A., Kennedy, B.J., and Fraley, E.E.: Marker half-life analysis as a prognostic tool in testicular cancer. *J. Urol* 128:708-711, 1982.

Kaye, K.W., Lange, P.H., and Fraley, E.E.: Spermatic cord-block in urologic surgery. *J. Urol* 128:720-721, 1982.

Lange, P.H.: The management of the patient with seminoma: An often vexatious problem. *World Urology Update Series*, Volume 1, Lesson 1:1-8, 1982.

Vogelzang, N.J., Lange, P.H., Goldberg, E.: Absence of sperm specific lactate dehydrogenase-x in patients with testis cancer. *Oncodevelopmental Biol Med* 3:269-272, 1982.

Lange, P.H. and Narayan, P.: Understaging and undergrading of prostate cancer: Argument for postoperative radiation as adjuvant therapy. *Urology*, XXI(2):113-118, 1983.

Vogelzang, N.J., Fraley, E.E., Lange, P.H., Torkelson, J., Levitt, S., and Kennedy, B.J.: Stage II nonseminomatous testicular cancer: A 10-year experience. *J. Clin. Oncol.* 1(3):171-178, 1983.

Lange, P.H.: Percutaneous removal of upper urinary tract stones. *Urologists Correspondence Club Newsletter* 53-54, March 30, 1983.

Narayan, P. and Lange P.H.: The surgical treatment for impotence. *Medical News* 85-103, May 1983.

Clayman, R.V., Garske, G.L., and Lange, P.H.: Total nephroureterectomy with ureteral intussusception and transurethral ureteral detachment and pull-through. *Urol* XXI:482-486, 1983.

#### **JOURNAL PUBLICATIONS: CON'T**

Paiva, J., Damjanov, I., Lange, P.H., and Harris, H.: Immunohistochemical localization of placental-like alkaline phosphatase in testis and germ-cell tumors using monoclonal antibodies. *Am J Pathol* 111(2): 156-165, 1983.

Lange, P.H., Narayan, P., Vogelzang, N.J., Shafer, R.B., Kennedy, B.J., and Fraley, E.E.: Return of fertility after treatment for nonseminomatous testicular cancer: Changing concepts. *J. Urol* 129:1131-1135, 1983.

Clayman, R.V., Surya, V., Castaneda-Zuniga, W.R., Miller, R.P. and Lange, P.H.: Percutaneous nephrothotomy with Mazzariello-Caprini forceps. *J. Urol* 129:1213-1215, 1983.

Surya, V., Clayman, R.V., Lange, P.H., Castaneda-Zuniga, W.R., Amplatz, K., and Miller, R.P.: Endourology III: Percutaneous removal of kidney stones (nephrostolithotomy). World Urology Update Series, Volume 1, Lesson 35:1-8, 1983.

Lange, P.H.: Markers for germ cell tumors of the testis. IN: Onsodevelopmental Markers - Biologic, Diagnostic, and Monitoring Aspects. W.H. Fishman, ed., Academic Press, Chapter 13, 1983, pp. 241-255.

Moon, T.D., Vessella, R.L., Eickhoff, M., and Lange, P.H.: Acid phosphate for monitoring prostatic carcinoma: Comparison of radioimmunoassay and enzymatic techniques. Urol XXII:16-19, 1983.

Clayman, R.V., Surya, V., Miller, R.P., Castaneda-Zuniga, W.R., Amplatz, K., and Lange, P.H.: Percutaneous nephrolithotomy: An approach to branched and staghorn renal calculi. J. Amer. Med. Assoc. 250:73-75, 1983.

Lange, P.H., and Raghavan, D.: Clinical applications of tumor markers in testicular cancer. IN: Testis Tumors. J.P. Donohue, ed., Williams and Wilkins, Chapter 6, pp. 111-130, 1983.

Clayman, R.V., Castaneda-Zuniga, W.R., Hunter, D.W., Miller, R.P., Lange, P.H., and Amplatz, K.: Rapid balloon dilation of the nephrostomy tract for nephrostolithotomy. Radiol. 147:884-885, 1983.

Limas, C. and Lange, P.H.: A, B, H cell-surface antigens: Their significance in the management of urinary bladder cancer. AUA Update Series, Volume II, Lesson 28:1-8, 1983.

Moon, T.D., Morley, J.E., Vessella, R.L., Levine, A.S., Peterson, G. and Lange, P.H.: The role of calmodulin in human renal cell carcinoma. Biochem. and Biophys. Res. Comm. 114:843-849, 1983.

Moon, T.D., Vessella, R.L. and Lange, P.H.: Monoclonal antibodies in Urology. J. Urol 130:584-592, 1983.

Emory, T.H., Reinke, D.B., Hill, A.L. and Lange, P.H.: Use of CT to reduce understaging in prostatic cancer: Comparison with conventional staging techniques. Amer. J. Roent. 130:269-

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