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MOUNT SINAI MEDICAL CENTER

SARAH DEAN
Acting President

June 4, 1985

Ms. Barbara Schnelly
Material Licensing Branch
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Re: License No. 48-03280-01

Applicant	<i>June 13/85</i>
Check No.	<i>608968120</i>
Annual Fee Category	<i>1C</i>
Type of Fee	<i>annual</i>
Date Check Rec'd	<i>6/17/85</i>
Received By	<i>[Signature]</i>

Dear Ms. Schnelly:

Please amend this institution's materials license identified above by adding Dr. Reuben Eisenstein, M.D. to the list of users for Group I materials and uses, and for H-3, C-14, S-35, I-125 and I-131 for in vitro research. Curriculum vitae and NRC 313 forms are enclosed.

A check for \$120.00 is enclosed to cover the cost of the amendment.

If there are any questions, please call the Radiation Safety Officer, Robert Black, at 414-289-8634.

Sincerely,

Sarah Dean

Sarah Dean

ns
Enc.

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(B-78)

TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

Reuben Eisenstein, M.D.

2. STATE OR TERRITORY IN
WHICH LICENSED TO
PRACTICE MEDICINE
Wisconsin

3. CERTIFICATION

SPECIALTY BOARD
ACATEGORY
BMONTH AND YEAR CERTIFIED
C

Pathology

July, 1964

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	Presbyterian-St. Lukes Hospital, 1972	10	40
b. RADIATION PROTECTION	Presbyterian-St. Lukes Hospital, 1972	3	1
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	Presbyterian-St. Lukes Hospital, 1972	2	2
d. RADIATION BIOLOGY	LSU Medical School, 1952	4	0
e. RADIOPHARMACEUTICAL CHEMISTRY	----	---	---

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
³⁵ S	5 mC	Presbyterian-St. Lukes	4 years	Research
³ H	5 mC	" "	5 years	Research
¹³¹ I	1 mC	" "	2 years	Research, Clin.
¹³¹ I	5 mC	VA Lakeside Hospital	4 years	Clinical
¹²⁵ I	4 mC	" " "	4 years	Clinical

PRECEPTOR STATEMENT

Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.

1. APPLICANT PHYSICIAN'S NAME AND ADDRESS		KEY TO COLUMN C PERSONAL PARTICIPATION SHOULD CONSIST OF: 1-Supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation for prescribed dosage. 2-Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data. 3-Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.
FULL NAME		
Reuben Eisenstein, M.D.		
STREET ADDRESS		
Mount Sinai Medical Center		
950 N. 12th St., P.O. Box 342		
CITY	STATE	ZIP CODE
Milwaukee	WI	53201

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
I-131 or I-125	DIAGNOSIS OF THYROID FUNCTION	7	also Cr ⁵¹ RBC label
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME		
	LIVER FUNCTION STUDIES		
	FAT ABSORPTION STUDIES		
	KIDNEY FUNCTION STUDIES		
	IN VITRO STUDIES		
OTHER			
I-125	DETECTION OF THROMBOSIS		
I-131	THYROID IMAGING		
P-32	EYE TUMOR LOCALIZATION		
Se-75	PANCREAS IMAGING		
Yb-169	CISTERNOGRAPHY		
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES		
OTHER			
Tc-99m	BRAIN IMAGING		
	CARDIAC IMAGING		
	THYROID IMAGING		
	SALIVARY GLAND IMAGING		
	BLOOD POOL IMAGING		
	PLACENTA LOCALIZATION		
	LIVER AND SPLEEN IMAGING		
	LUNG IMAGING		
	BONE IMAGING		
OTHER			

PRECEPTOR STATEMENT (Continued)

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
P-32 (Soluble)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES		
P-32 (Colloidal)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA		
	TREATMENT OF HYPERTHYROIDISM		
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT		
I-125 or Ir-192	INTERSTITIAL TREATMENT		
Co-60 or Cs-137	TELETHERAPY TREATMENT		
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR		
Sn-113/ In-113m	GENERATOR		
Tc-99m	REAGENT KITS		
Other Co ⁵⁷ Co ⁵⁸ Co	Schilling Test	30	

3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING

4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:

a. NAME OF SUPERVISOR

Harry F. Weisberg, M.D.

b. NAME OF INSTITUTION

Mount Sinai Medical Center

c. MAILING ADDRESS

950 N. 12th St., P.O. Box 342

d. CITY

Milwaukee, WI, 53201

5. MATERIALS LICENSE NUMBER(S)

NRC #48-03280-01

6. PRECEPTOR'S SIGNATURE

Harry F. Weisberg

7. PRECEPTOR'S NAME (Please type or print)

Harry F. Weisberg, M.D.

8. DATE

June 4, 1985

Curriculum Vitae
Reuben Eisenstein, M.D.

Born: May 3, 1929, Brooklyn, New York

Marital Status: Married, 4 children

Education: Tulane University, B.S., 1949
Louisiana State University, M.D., 1953
Internship, Mt. Sinai Hospital, New York, 1953-54
Resident in Pathology, Mt. Sinai Hospital, 1954-55
Resident in Pathology, Presbyterian Hospital, Chicago, IL, 1957-60

Fellowships: USPHS Special Fellowship, Strangeways Laboratory, Cambridge, England, 1966-67.

Military Service: U.S. Army Medical Corps, Army Chemical Center, Maryland, 1955-57.

Certifications: American Board of Pathology (Anatomic 1959; Clinical 1964)

Professional Experience: Assistant Attending to Attending Pathologist,
Presbyterian-St. Luke's Hospital, Chicago, IL
1960-1975

Assistant Professor to Professor of Pathology,
University of Illinois Medical School, 1960-69

Professor of Pathology, Rush Medical College, 1970-75
Course Director in Pathology, Rush Medical College,
1971-73

Director of Cytopathology, and Surgical Pathology,
Presbyterian-St. Luke's Hospital, 1965-70

Director of Special Pathology, Presbyterian-St. Luke's
Hospital, 1970-75

Professor of Pathology, Northwestern University
Medical School, 1975-80

Attending Pathologist, Northwestern Memorial Hospital,
1975-80

Director of Chemistry, Immunology, and Serology,
Northwestern Memorial Hospital, 1975-76

Director of Laboratories, VA Lakeside Hospital,
1976-80

Chief, Department of Pathology and Laboratory Medicine
Mount Sinai Medical Center and Chairman, Department
of Pathology, University of Wisconsin (Milwaukee)
1980 -

Consultantships: Member, Cardiovascular B. Study Section, USPHS, 1967-71
Consultant, Procter and Gamble Company, 1973-75
Ad Hoc Committee, NHLI, 1975
Medical Advisory Board, Leukemia Foundation, Inc., 1978-84
Editorial Board, Arteriosclerosis. 1980 - 84
Member, NCI, Task Force on Diagnosis & Treatment
of Breast Cancer, 1983-84

Editorial Boards: Arteriosclerosis: 1980

Visiting Professorships/

Invited Lectureships:

University of Illinois (Urbana)
Northwestern University
Abraham Lincoln School of Medicine
Holt Radium Institute
Universite de' Montreal
McMaster University
Cambridge Ophthalmological Society
University of Kentucky
Michael Reese Hospital
Evanston Hospital
Christ Hospital
University of Southern California
University of California in San Diego
Duke University
Eli Lilly Co.
University of Buenos Aires

Societies: Sigma Xi, AOA, Society for Experimental Pathology,
American Association of Pathologists and Bacteriologists,
International Academy of Pathologists, Society for Experimental
Biology and Medicine, Orthopedic Research Society, Chicago
Pathological Society, American Society of Clinical Pathologists,
International Skeletal Society, American Heart Association
(Council on Arteriosclerosis).

PUBLICATIONS

(ARTICLES, CHAPTERS IN BOOKS)
(Abstracts Not Included)

1. Eisenstein, R. and Innes, J.R.M.: Sarcosporidiosis in man and animals. Vet. Rev. and A-not., 2:61, 1956.
2. Eisenstein, R.: Morphogenesis of calcareous deposition in the adrenal glands of the cat. A.M.A. Arch. Path., 62:380, 1956.
3. Eisenstein, R. and Groff, W.A.: Experimental hypervitaminosis D: hypercalcemia, hypermucoproteinemia and metastatic calcification. Proc. Soc. Exp. Biol. and Med., 97:441, 1957.
4. Davis, B.J. and Eisenstein, R.: A simple, rapid technique for the demonstration of L.E cells. J. Mt. Sinai Hospital, 24:580, 1957.
5. Eisenstein, R., Trueheart, R.E. and Hass, G.M.: Pathogenesis of abnormal tissue calcifications. In: Calcifications in Biological Systems, Assoc. Adv. Sci., Washington, D.C., 1960.
6. Eisenstein, R., Werner, M., Papjiannis, S., Konetzki, W. and Laing, I.: Chloranilic acid as a histochemical reagent for calcium. J. Histochem. and Cytochem., 9:154, 1961.
7. Kofman, S., Perlia, C.P., Boesen, E., Eisenstein, R. and Taylor, S.G.: The role of corticosteroids in the treatment of malignant lymphomas. Cancer, 15:338, 1962.
8. Eisenstein, R., Dedmon, R., Papjiannis, S. and Hemmens, A.: Effect of hypervitaminosis D on serum factors in the rabbit. Proc. Soc. Exp. Biol. and Med., 109:482, 1962.
9. Konetzki, W., Hyland, R. and Eisenstein, R.: The sequential accumulation of calcium and acid mucopolysaccharides in nephrocalcinosis due to vitamin D. Lab. Invest., 11:488, 1962.
10. McKiel, C.F., Eisenstein, R. and McDonald, J.H.: Morphological and microbiological studies in malakoplakia. J. Urol., 88:236, 1962.
11. Eisenstein, R.: Studies in abnormal calcification. Bull. Pres.-St. Luke's Hosp., 1:50, 1962.
12. Kofman, S. and Eisenstein, R.: Mithramycin in the treatment of disseminated cancer. Cancer Chemother. Repts., 32:77, 1963.
13. Eisenstein, R., Schwartz, T.B., Paul, O: Clinical Pathological Conference, Am. Heart J., 65:826, 1963.
14. Eisenstein, R. and Zeruolis, L.: Vitamin D induced aortic calcification. A.M.A. Arch. Path., 77:27, 1964.

15. Eisenstein, R., Phelan, W.H. and Taba, M.: Clinical Pathological Conference. *Am. Heart J.*, 67:824, 1964.
16. Eisenstein, R., Battifora, H. and Axelrod, E.: Vitamin D-Actinomycin D interactions in bone. *Lab. Invest.*, 15:1580, 1966.
17. Battifora, H., Eisenstein, R., Laing, G.H. and McCreary, P.: The kidney in experimental magnesium deprivation. *Am. J. Path.*, 48:421, 1966.
18. Eisenstein, R., Battifora, H. and Ellis, H.: The basophilia of certain renal calcifications. *Am. J. Path.*, 47:487, 1965.
19. Eisenstein, R., Ayer, J.P., Papjiannis, S., Hass, G.M. and Ellis, H.: Mineral binding by human arterial elastic tissue. *Lab. Invest.*, 13: 1198, 1964.
20. Battifora, H., Eisenstein, R., Sky-Peck, H. and McDonald, J.H.: Electron microscopy and tritiated thymidine in gradation of malignancy of human bladder carcinomas. *Tr. Am. Assoc. G.U. Surg.*, 56:31, 1964.
21. Battifora, H., Eisenstein, R. and McDonald, J.H.: The human urinary bladder mucosa: An electron microscopic study. *Inv. Urol.*, 1:354, 1964.
22. Hass, G.M., Brown, D.V.L., Eisenstein, R. and Hemmens, A.: Relations between lead poisoning in rabbit and man. *Am. J. Path.*, 45:691, 1964.
23. Staub, E.W., Eisenstein, R., Hass, G.M. and Beattie, E.J.: Bronchogenic carcinoma produced experimentally in the dog. *J. Thor. and Cardiovasc. Surg.*, 49:364, 1965.
24. Eisenstein, R. and Battifora, H.: Lymph follicles in cervical smears. *Acta Cytol.*, 9:344, 1965.
25. Eisenstein, R. and Battifora, H.: Malignant giant cell tumor of bone. *Acta Cytol.*, 10:130, 1966.
26. Cherry, C.P., Eisenstain, R. and Glucksmann, A.: Epithelial cords and tubules of the rat thymus. *Brit. J. Exp. Path.*, 48:90, 1966.
27. Oyasu, R., Battifora, H., Eisenstein, R., McDonald J.H. and Hass, G.M.: Enhancement of tumorigenesis in the urinary bladder of rats by neonatal administration of 2-acetylaminofluorene. *J. Nat. Cancer Inst.*, 40:377, 1968.
28. Eisenstein, R.: Giant cell tumor of tendon sheath: Its histogenesis as studied in the electron microscope. *J. Bone and Joint Surg.*, 50-A: 476, 1968.

29. Henson, D.E., Najafi, H., Callaghan, R., Coogan, P., Julian, O. and Eisenstein, R.: Myocardial lesions following open heart surgery. Arch. Path., 88:423, 1969.
30. Eisenstein, R. and Passovoy, M.: Actinomycin D inhibits vitamin D and parathyroid hormone activity. Proc. Soc. Exp. Biol. and Med., 117:77, 1964.
31. Battifora, H., Eisenstein, R. and Schild, J.: Rhabdomyoma of larynx: Ultrastructural study and comparison with granular cell myoblastoma. Cancer, 23:183, 1969.
32. Schredt, J.M., Eisenstein, R., Ray, R.D. and Kuettner, K.: Lysozyme in embryonic cartilage: Ontogenic studies. Surg. Forum, 19:401, 1968.
33. Eisenstein, R., Battifora, H., Ellis, H., Rosato, J. and Hobart, J.: Effects of sucrose and actinomycin D on hepatic acid hydrolases. A.M.A. Arch. Path., 87:514, 1969.
34. Kuettner, K. and Eisenstein, R.: Studies on cartilage lysozyme. Pres. St. Luke's Hosp. Med. Bull., 7:130, 1969.
35. Eisenstein, R., Ellis, H. and Rosato, J.: In vitro studies of vitamin D induced aortic calcification. Proc. Soc. Exp. Biol. and Med., 132: 58, 1969.
36. Friedberg, S., Eisenstein, R. and Wallner, L.: Giant cell lesions involving the nasal accessory sinuses. Laryngoscope, 79:763, 1969.
37. Kuettner, K.E., Soble, L.W., Croxen, R., Guenther, H.L. and Eisenstein, R.: Lysozyme in epiphyseal cartilage. I. The nature of the morphologic response to exogenous lysozyme by cartilage in organ culture. Calc. Tiss. Res., 5:56, 1970.
38. Kuettner, K.E., Soble, L.W., Croxen, R., Guenther, H.L. and Eisenstein, R.: Lysozyme in epiphyseal cartilage. II. The effect of egg white lysozyme on mouse embryonic cartilage in organ culture. J. Cell Biol., 44:329, 1970.
39. Eisenstein, R., Rosato, J. and Wied, G.: DNA and protein in maturing and hypertrophied human hearts. Proc. Soc. Exp. Biol. and Med., 133: 176, 1970.
40. Eisenstein, R. and Kuettner, K.: Ultrastructural details of cartilage matrix revealed by complexing with lysozyme. Calc. Tiss. Res., 4: 137, 1970.
41. Eisenstein, R., Soble, L.W. and Kuettner, K.E.: Lysozyme in epiphyseal cartilage. III. The effects of protamine on mouse embryonic cartilage in organ culture. Am. J. Path., 60:43, 1970.

42. Eisenstein, R., Arsenis, C. and Kuettner, K.: Electron microscopic studies of cartilage matrix using lysozyme as a vital stain. *J. Cell Biol.*, 46:626, 1970.
43. Rosenblat, J.H., Eisenstein, R. and Holmes, A.W.: The liver in sickle cell anemia. *Arch. Path.*, 90:235, 1970.
44. Eisenstein, R., Scott, R.A. and Lesak, A.: Altered lipid binding by mineralized aortic elastin. *Arch. Path.*, 92:301, 1971.
45. Eisenstein, R.: Pathological calcification. In: *The Biochemistry and Physiology of Bone*. G.R. Bourne, ed., Academic Press, 1972, Vol. 2, p. 357.
46. Arsenis, H., Soble, L., Eisenstein, R. and Kuettner, K.E.: Enzyme activities in chick embryonic cartilage: Their subcellular distribution in isolated chondrocytes. *J. Cell Biol.*, 49:459, 1971.
47. Kuettner, K.E., Eisenstein, R., Soble, L. and Arsenis, C.: Lysozyme in epiphyseal cartilage. IV. Embryonic chick cartilage lysozyme - its localization and partial characterization. *J. Cell Biol.*, 49:450, 1971.
48. Eisenstein, R., Arsenis, C. and Kuettner, K.E.: Mucopolysaccharides of the matrix of epiphyseal growth plate. *Israel J. Med. Sci.*, 7:415, 1971.
49. Kuettner, K.E., Sorgente, N., Arsenis, C. and Eisenstein, R.: Cartilage lysozyme, an extracellular basic (cationic) protein. *Israel J. Med. Sci.*, 7:407, 1971.
50. Eisenstein, R., Sorgente, N. and Kuettner, K.E.: Organization of extracellular matrix of apiphyseal growth plate. *Am. J. Path.*, 65:515, 1972.
51. Rosenblate, H., Eisenstein, R., Baldwin, D. and Holmes, A.W.: Non-viral hepatitis in drug addicts. *Arch. Path.*, 95:17, 1973.
52. Eisenstein, R., Arsenis, C., Sorgente, N. and Kuettner, K.E.: Effect of vitamin D on serum and tissue lysozyme. *A.M.A. Arch. Path.*, 94: 479, 1972.
53. Kuettner, K.E., Eisenstein, R. and Sorgente, N.: Lysozymes of cartilage and other connective tissues. In: *Lysozyme conference*, E. Osserman, Ed., Academic Press, New York, NY, 1974, p. 399.
54. Matthews, J.L., Martin, J.H., Arsenis, C., Eisenstein, R. and Kuettner, K.E.: The role of mitochondria in intracellular calcium regulation. In: *Cellular mechanisms for calcium transfer and homeostasis*. G. Nichols and R. H. Wasserman, Eds., Academic Press, New York, 1971, p. 239.
55. Eisenstein, R., Larsson, S., Sorgente, N. and Kuettner, K.E.: Collagen-proteoglycan relationships in epiphyseal cartilage. *Am. J. Path.*, 73: 443, 1973.

56. Eisenstein, R., Sorgente, N., Soble, L. Miller, A. and Kuettner, K.E.: The resistance of certain tissues in invasion. *Am. J. Path.*, 73:765, 1973.
57. Kuettner, K.E., Eisenstein, R., Croxen, R.L. and Sorgente, N.: Proteinase inhibitor activity in connective tissues. *Experientia*, 30: 595, 1974.
58. Eisenstein, R., Hascall, V.C., Sorgente, N. and Kuettner, K.E.: The ground substance of the arterial wall. I. Extractability of glycosaminoglycans and isolation of a proteoglycan from bovine aorta. *Atherosclerosis*, 22:1, 1975.
59. Sorgente, N., Kuettner, K.E., Soble, L.W., and Eisenstein, R.: The resistance of certain tissues to invasion. II. Evidence for extractable factors in cartilage which inhibit invasion by vascularized mesenchyme. *Lab. Invest.*, 32:217, 1975.
60. Eisenstein, R. and Gruhn, J.R.: The functional anatomy of cartilages and bone. In: *Lewis Textbook of Orthopedics*, 1975.
61. Guenther, H.L., Eisenstein, R., Sorgente, N., and Kuettner, K.E.: Lysozyme in epiphyseal cartilage. VI. Mammalian cartilage lysozyme: Isolation, characterization and localization. *Biochem. Biophys. Acta*, 372:321, 1974.
62. Kuettner, K.E., Pita, J.C., Howell, D.S., Sorgente, N., and Eisenstein, R.: Regulation of epiphyseal cartilage maturation. In: *Extracellular matrix influences on gene expression*. H. Slavkin, ed. Academic Press, 1975.
63. Eisenstein, R. and Kawanoue, S.: The lead line in bone. A lesion apparently due to chondroclastic indigestion. *Am. J. Path.*, 80:309, 1975.
64. Kuettner, K.E., Sorgente, N. and Eisenstein, R.: Lysozyme in calcifying tissues. *Clin. Orthop.*, 112:316, 1975.
65. Eisenstein, R., Sorgente, N. and Kuettner, K.E.: Tissue inhibitors are growth regulators. *Proc. 23rd Conference on Protides of Biological Fluids*. E. Peeters, ed., Pergamon Press, 1976.
66. Kuettner, K.E., Sorgente, N. and Eisenstein, R.: Antiproteases in cartilage metabolism. *Proc. 23rd Conference on Protides of Biological Fluids*. E. Peeters, ed., Pergamon Press, 1976.
67. Sorgente, N., Kuettner, K.E. and Eisenstein, R.: Isolation and characterization of antiproteinases of cartilage and aorta. *Proc. 23rd Conference on Protides of Biological Fluids*. E. Peeters, ed., Pergamon Press, 1976.

68. Rosenblum, I.Y., Flora, L. and Eisenstein R.: The effect of disodium ethane-1-hydroxy-1, 1-diphosphonate (EHDP) on a rabbit model of atherosclerosis. *Atherosclerosis*, 22:411-24, 1975.
69. Eisenstein, R., Kuettner, K.E., Neapolitan, C., Soble, L.W. and Sorgente, N.: The resistance of certain tissues to invasion. III. Cartilage extracts inhibit the growth of fibroblasts and endothelial cells in vitro. *Am. J. Path.*, 81:337, 1975.
70. Eisenstein, R. and Kuettner, K.E.: The ground substance of arterial wall. Part II. Electron microscopic studies. *Atherosclerosis* 27:37-46, 1976.
71. Becker, F.O., Economow, S.G., Southwick, H.W. and Eisenstein, R.: Adult thyroid cancer after head and neck irradiation in infancy and childhood. *Ann. Int. Med.*, 83:347, 1975.
72. Rent, R., Ertel, N., Eisenstein, R., and Gewurz, H.: Complement activation by interaction of polyanions and polycations. I. Heparin-protamine induced consumption of complement. *J. Immunol.*, 112:126, 1975.
73. Kuettner, K.E., Hiti, J., Eisenstein, R. and Harper, E.: Collagenase inhibition by cationic proteins derived from cartilage and aorta. *Biochem. Biophys. Res. Comm.* 72:40-46, 1976.
74. Saruk, M. and Eisenstein, R.: The ultrastructural lesion in Marfan's Syndrome. *A.M.A. Arch. Path.*, 101:74, 1977.
75. Goren, S., Eisenstein, R. and Choromokis, E.: Corneal vascularization. *Am. J. Ophthalmol.*, 84:305, 1977.
76. Kuettner, K.E., Harper, E. and Eisenstein, R.: Protease inhibitors in cartilage. *Ann. Rheum. Dis.* (In Press)
77. Ts'ao, C.H., Schumacher, B., and Eisenstein, R.: Effect of an aortic proteoglycan on platelet aggregation and thrombin time: Plasma requirement and active moieties. *Proc. Soc. Exp. Biol. Med.*, 156:162, 1977.
78. Eisenstein, R., Schumacher, B. and Kuettner, K.E.: Growth regulators in connective tissue. I. An aortic extract inhibits the growth of transplantable tumors in mice. *Am. J. Path.*, 91:1, 1978.
79. Oegema, T., Hascall, V.C., and Eisenstein, R.: Characterization of aortic proteoglycans isolated in the presence of protease inhibitors. *J. Biol. Chem.*, 254:1312, 1979.
80. Waxler, B., Eisenstein, R., and Battifora, H.: Glycosaminoglycan electrophoresis as an aid in the tissue diagnosis of mesotheliomas. *Cancer*, 44:221, 1979.
81. Eisenstein, R., Harper, E., Kuettner, K.E., Schumacher, B., and Matijevitch, B.: Growth regulators in connective tissues. II. Evidence for the presence of several growth inhibitors in aortic extracts. *Paroix Arterielle - Artery Wall*, 5:163, 1979.
82. Eisenstein, R.: Vascular extracellular tissue and atherosclerosis. *Artery*, 5:207, 1979.

83. Waxler, B. and Eisenstein, R.: Cell - stroma relationships in endothelial cell cultures. *Lab. Invest.*, 41:128, 1979.
84. Eisenstein, R., Goren, S.B., Schumacher, B., and Choromokis, E.: The inhibition of corneal vascularization with aortic extracts in rabbits. *Am. J. Ophthalmol.*, 88:1005, 1979.
85. Ts'ao, C.H. and Eisenstein, R.: Combined effect of prostaglandins and an aortic proteoglycan on platelet aggregation and plasma clotting. *Prostaglandins and Medicine*, 3:159, 1979.
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88. T'sao, C.-H. and Eisenstein, R.: Attachment of proteoglycans to collagen fibrils: Effect on human platelet aggregation. *Lab. Invest.*, 45: 450, 1981.
89. Klein, D.J., Oegema, T.O., Eisenstein, R., Furcht, L., Michael, A.F., Michael, A.F. and Brown, D.M.: Renal localization of heparan sulfate proteoglycan by Immunohistochemistry. *Am. J. Pathol.* 111:323-330, 1983
90. Schumacher, B. and Eisenstein, R.: Growth regulators in connective tissue. III. Possible autoregulation of arterial cell growth. Submitted for publication.
91. Gruhn, J. and Eisenstein, R.: The structure of Cartilage and Bone. In *Lewis's Textbook of Surgery*, new edition. Harper & Row, Philadelphia, 1982, pp. 1-42.
92. Invited editorial: A time to grow and develop one's craft. *Human Pathol.* 13:1059-1060, 1982.
93. Eisenstein, R., Schumacher, B., Hsiao, K.-C., Eisenstein, N., Lemke, M., Anderson, T. and Harper, E.: Effect of medroxyprogesterone and an aorta derived cell growth inhibitor on B16 melanoma in mice. *J. Nat. Canc. Inst.*, 72:885-888, 1984.
94. Williams, G., Schumacher, B., Grant, D. and Eisenstein, R.: An inhibitor of endothelial cell growth in lens. *Am. J. Ophthalmol.* 97:366-371, 1984.
95. Schumacher, B.L., Grant, D. and Eisenstein, R.: Smooth muscle cells produce an inhibitor of endothelial cell growth. *Arteriosclerosis*, in press.