

MATERIALS LICENSE

Amendment No. 10

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. Veterans Administration Medical Center

2. 3495 Bailey Avenue
Buffalo, New York 14215In accordance with letter dated
May 4, 1992,3. License number SNM-1305 is amended in
its entirety to read as follows:

4. Expiration date October 31, 1997

5. Docket or
Reference No 070-013316. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this licenseA. Plutonium
(principal radionuclide
Pu-238)

A. Sealed Source

A. 0.62 grams
(2 individual sources not
to exceed 210 milligrams
each)B. Plutonium
(principal radionuclide
Pu-238)

B. Sealed Source

B. 0.25 grams
(1 source not to exceed
250 milligrams)

9. Authorized use

A. Follow-up, recovery and disposal of Medtronic Model 9000 nuclear-powered cardiac
pacemakers previously implanted in humans.B. Follow-up, recovery and disposal of Coratomic Model C-101 nuclear-powered cardiac
pacemakers previously implanted in humans.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at
3495 Bailey Avenue, Buffalo, New York.11. A. The physicians responsible for follow-up, explantation, and return to the
manufacturer for proper disposal are Dr. Jacob Bergsland and Dr. Leon Levinsky.

B. Radiation Safety Officer: Jayakumari M. Gona, M.D.

12. The specified possession limit includes all licensed material possessed by the
licensee under this license whether in storage, implanted in patients, or otherwise
in use.9302110470 921009
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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

SNM-1305

Docket or Reference number

070-01331

Amendment No. 10

(Continued)

CONDITIONS

13. The licensee shall report to the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406, ATTN: Chief, Nuclear Materials Safety Branch, within 24 hours of occurrence, the death of any nuclear pacemaker patient, and any adverse reaction and/or malfunction involving a pacemaker system, including the leads. A written report giving details of the adverse reaction and/or malfunction shall be submitted within 30 days.
14. A. The licensee shall report to the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406, within 10 days of loss of contact with a nuclear pacemaker patient.
- B. The licensee shall not receive or transfer in any single transaction one (1) gram or more of plutonium 238 contained in nuclear-powered pacemakers without notifying the Division of Safeguards, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, and, in addition, completing and distributing Form NRC-741 as required by Section 70.54 of 10 CFR 70.
15. The licensee shall continue patient follow-up and replacement procedures for the nuclear pacemaker during the life of the patient. Procedures for recovery and authorized disposal of the nuclear pacemaker by return to the manufacturer shall be followed upon the death of the patient.
16. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
17. The licensee may transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
18. The licensee shall not receive or transfer in any single transaction one (1) gram or more of plutonium 238 contained in nuclear-powered pacemakers without notifying the Division of Safeguards, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, and, in addition, completing and distributing Form NRC-741 as required by Section 70.54 of 10 CFR 70.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

SNM-1305

Docket or Reference number

070-01331

Amendment No. 10

(Continued)

CONDITIONS

19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Letter dated August 13, 1971
- B. Letter dated April 30, 1987
- C. Letter dated May 4, 1992



For the U.S. Nuclear Regulatory Commission

Original Signed By:
Jenny Johansen

Date

OCT 09 1992

By

Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

OCT 019 1992

License No. SNM-1305
Docket No. 070-0.331
Control No. 116598

Veterans Administration Medical Center
ATTN: Richard S. Droske
Director
3495 Bailey Avenue
Buffalo, New York 14215

Dear Mr. Droske:

Please find enclosed the renewal of your NRC Material License.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5093, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

Veterans Administration Medical Center -2-

We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:
Jenny Johansen

Jenny M. Johansen, Chief
Medical Licensing Section
Division of Radiation Safety
and Safeguards

Enclosures:

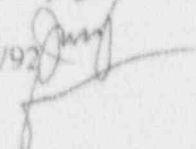
1. Amendment No. 10
2. Requirements for Materials Licensees

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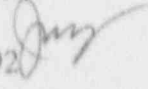
Department of Veterans Affairs
ATTN: Dr. Milton Gross
Director

Nuclear Medicine Service (115)
810 Vermont Avenue, N.W.
Washington, DC 20420

RI:DRSS
Beardsley/gc

10/7/92 

RI:DRSS
Johansen

10/7/92 

MAY 20 1992

Docket No. 070-01331
License No. SNM-1305
Control No. 116598

Veterans Administration Medical Center
ATTN: Richard S. Droske
Director
3495 Bailey Avenue
Buffalo, NY 14215

Dear Mr. Droske:

SUBJECT: LICENSE RENEWAL APPLICATION

This is to acknowledge receipt of your application for renewal of material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified above.

Sincerely,

Original Signed By:
Cheryl K. Buraker

for Sheryl Villar, Chief
Licensing Assistance Section
Division of Radiation Safety
and Safeguards

*MA
5/24/92*

*ChB
5/24/92*



DEPARTMENT OF VETERANS AFFAIRS
Medical Center
3495 Bailey Avenue
Buffalo NY 14215

070-01331

X

In Reply Refer To: 528/112

May 4, 1992

U.S. Nuclear Regulatory Commission, Region 1
Nuclear Materials Safety Section B
475 Allendale Road
King of Prussia, PA 19406

SUBJ: Renewal of Nuclear Pacemaker License

Renewal of Nuclear Pacemaker Follow-up License #SNM-1305 said to expire 7/31/92 is requested for this site:

VA Medical Center
3495 Bailey Avenue
Buffalo, New York 14215


Authorization is not sought to implant nuclear pacemakers in the future.

License renewal is requested for the follow-up of three nuclear pacemaker recipients.

Surgeons involved in the pacemaker program are:

- a. Dr. Jacob Bergsland
- b. Dr. Leon Levinsky (addition)

Drs. Bergsland and Levinsky may be reached by contacting the Surgical Office at 716-862-3604 or FTS 432-3604.


Richard S. Droske
Medical Center Director

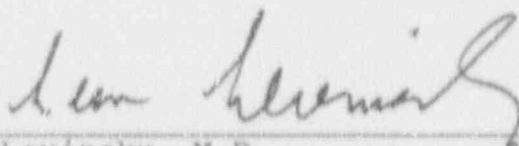
Enclosures

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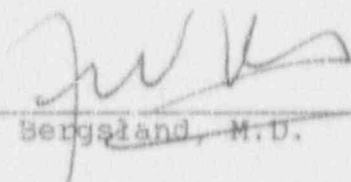
MAY 14 1992

I am familiar with the manufacturer's NRC approved protocol and agree to follow that protocol.



Leon Levinsky, M.D.

4/29/92
Date



Jacob Bergsland, M.D.

4/29-92
Date

CURRICULUM VITAE

Name:

Leon Levinsky, MB, B.S. (London)

Address:

Department of Surgery 25 Kingsbridge Ct.
VA Medical Center Getzville, NY 14068
3495 Bailey Ave.
Buffalo, NY 14215
Tel 862-3604

Born:

South Africa,
April 7, 1940

High School:

Grey College Bloemfontein, South Africa
Matriculation December, 1957, First Class
Honors

Medical Training:

Guy's Hospital Medical School of the
University of London, 1959 - 1965
Junior Science Exhibition Award, 1961

Degrees:

MB, BS, London, 1965, LRCP London, MRSC,
England, 1965

Internship:

Guy's Hospital and Royal Northern Hospital,
London, 1965-1966
Registration with the General Medical Council
of Great Britain, June 1966

Post Graduate and Specialist Training:

Casualty Officer at Royal Northern Hospital,
London, July 1966 to August 1967
Resident in Cardiothoracic Surgery in the
Department of Cardiothoracic Surgery,
Beilinson Hospital Medical Center, Petah
Tikva, Israel from February 1968-October
1975. During my training I spent a year as a
registrar in the Department of Thoracic and
Cardiovascular Surgery, Papworth Hospital,
Cambridge, England, 1972-1973

Post Specialization
Training

Special Fellow in Cardiac Surgery, The
Buffalo General Hospital, 1977-1979

Special Fellow in Cardiac Surgery, Children's
Hospital, Buffalo, New York, 1979-1980.

Specialist Registration:

Specialist in Cardiothoracic Surgery, Israel,
2/4/76

Hospital Positions:

Chief of Surgical Service,
Veterans Administration Medical Center,
Buffalo - from March 1990

Present:

Chief of Section of Cardiothoracic Surgery,
Veterans Administration Medical Center,
Buffalo, New York. From July 1989.

Past Positions:

Staff Post in the Department of
Cardiothoracic Surgery, Beilinson Medical
Center, 1980-1986.

Deputy Head of the Dept. of Cardiovascular
Surgery, Beilinson Medical Center, January
1986-June 1989

University Positions:

Present:

Associate Professor of Surgery, (without
tenure) State University of New York,
Buffalo, New York, August, 1989

Past:

Assistant Clinical Instructor in Surgery
State University of New York, Buffalo
(SUNY I) July 1977-June 1979

Senior Lecturer in Surgery
University of Tel Aviv, Israel Sackler School
of Medicine, October 1981-June 1989

Medical Organization:

Israel Medical Association, 1975

Association for Academic Surgery (USA), 1980
Senior Member, 1988

Israel Surgical Society, 1985

American License:

Flex, State of Maine, 1980
Foreign Medical Graduate Examination, 1989
New York State - License # 181648-1

Selective Service:

Israel Defence Forces, 1975-77.
Officer in Medical Corp.

Leon Levinsky, MB, B.S.

Bibliography

Refereed Articles

1. Levinsky L., Kessler E., Lurie M., Ben-Bassat M., Levy MJ. Ultrastructural and histopathologic observation of a human cardiac transplant with features of rejection. *American Journal of Clinical Pathology*, 53:811-819, 1970.
2. Levinsky L., Aygen M., Garti I., Levy MJ. Surgical treatment of coarctation of the aorta. *Israel Journal of Medical Sciences*, 6:635-640, 1970.
3. Levinsky L., Lewinski U., DeVries A., Levy MJ. Bilateral thoracotomy for Hodgkin's disease involving the hilar nodes. *Chest* 59:446-448, 1971.
4. Levinsky L., Urca I. Intestinal obstruction due to antacid treatment for duodenal ulcer. *Diseases of Colon and Rectum*, 15:55-56, 1972.
5. Nudelman I., Levinsky L., Vidne B., Levy MJ. Acute respiratory insufficiency syndrome. *Harefuah*, 88:257-260, 1974.
6. Levinsky L., Vidne B., Nudelman I., Salomon J., Kissin L., Levy MJ. Thoracic injuries in the Yom Kippur War: Experience in a base hospital. *Israel Journal of Medical Sciences*, 11:275-80, 1975.
7. Levinsky L., Levy MJ. Tracheobronchial resection and reconstruction. A report of five cases. *Israel Journal of Medical Sciences*, 11:441-7, 1975.
8. Chaimoff C., Abu-Dalu J., Levinsky L. Traumatic lesions of great vessels during the Yom Kippur War. *Harefuah*, 89:147-9, 1975.
9. Schachner A., Levinsky L., Garti I., Levy MJ. Superior vena cava syndrome due to mediastinal goiter. *Vasa*, 5:20-22, 1976.
10. Levinsky L., Vidne B., Gabbay S., Schachner A., Levy MJ. Dura Mater homologous bicuspid heart valve prosthesis. *Harefuah*, 90:539-41, 1976.
11. Levinsky L., Schachner A., Levy MJ. Supravalvular aortic stenosis; report of two cases, one combined with supravalvular pulmonic stenosis. *Vasa*, 5:301-3, 1976.
12. Adler RH, Levinsky L. Persistent chylothorax. *Journal of Thoracic and Cardiovascular Surgery*, 76:859-864, 1978.
13. Raza S., Levinsky L., Lajos TZ. Transtracheal intubation. *Journal of Thoracic and Cardiovascular Surgery*, 76:721-2, 1978.
14. Erdman S., Levinsky L., Levy MJ. A simple method for closure of patent ductus arteriosus in elderly patients. *Annals of Thoracic Surgery*, 27:84-85, 1979.

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15. Levinsky L., Arani DJ., Raza ST., Kohn R., Schimert G. Dacron patch enlargement of anterior wall of left ventricle after aneurysmectomy with concomitant infarctectomy. *Journal of Thoracic and Cardiovascular Surgery*, 77:753-6, 1979.
16. Levinsky L., Schimert G., Lajos TZ., Lee AB., Korenyi-Both A., Vladutiu A., Montes M., Siegel JH. The use of steroids as a potentiator of hypothermic myocardial preservation in man. *Journal of Surgical Research*, 26:629-51, 1979.
17. Levinsky L., Lajos TZ., Lee AB., Espersen C., Schimert G. The revival of the horseshoe graft side-to-side saphenous vein to aorta anastomosis. *The Thoracic and Cardiovascular Surgeon*, 27:322-4, 1979.
18. Levinsky L., Adler RH. Recurrent diaphragmatic herniation following gastric onlay reinforcement of esophageal rupture (Boerhaave Syndrome). *New York State Journal of Medicine*, 80:244-8, 1980.
19. Levinsky L., Lajos TZ., Lee AB., Srinivasan V., Schimert G. Refinements in coronary artery surgery contributing to improved survival. *The Thoracic and Cardiovascular Surgeon*, 28:102-3, 1980.
20. Srinivasan V., Lewin AN., Pieroni D., Levinsky L., Alicea-Gomez RJ., Subramanian S. Supravalvular stenosing ring of the left atrium; case report and review of the literature. *Cardiovascular Diseases; Bulletin of the Texal Heart Institute*, 7:149-51, 1980.
21. Srinivasan V., Lewin AN., Levinsky L., Idbeis B., Gingell RL., Subramanian S. Tubular hypoplasia of the descending thoracic aorta. Surgical treatment with PTFE bypass graft under moderate total body hypothermia. *The Thoracic and Cardiovascular Surgeon*, 28:211-12, 1980.
22. Levinsky L., Lee AB., Dockstader R., Tatransky F., Schimert G. Cold Blood potassium cardioplegia. *Annals of Thoracic Surgery*, 30:297-299, 1980.
23. Choh JH., Levinsky L., Srinivasan V., Idbeis B., Subramanian S. Anomalous origin of the left coronary artery from the pulmonary trunk its clinical spectrum and current surgical management. *The Thoracic and Cardiovascular Surgeon*, 28:239-242, 1980.
24. Srinivasan V., Levinsky L., Idbeis B., Gingell RL., Pieroni DR., Subramanian S. Congenital diverticula of the the left atrium. *Cardiovascular diseases; Bulletin of the Texas Heart Institute* 7:405-410, 1980.
25. Choh JH., Srinivasan V., Levinsky L., Pieroni DR., Gingell RL., Subramanian S. Anomalous origin of the left coronary artery from the pulmonary artery; Scintigraphic diagnosis by Tc99m lung scan. *Cardiovascular Diseases; Bulletin of the Texas Heart Institute*, 7:344-349, 1980.

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26. Idbeis B., Levinsky L., Srinivasan V., Subramanian S. Vascular Rings: Management and proposed nomenclature. *Annals of Thoracic Surgery*, 31:255-258, 1981.
27. Levinsky L., Srinivasan V., Alvarez-Piaz F., Subramanian S. Reconstruction of the new atrial septum in the Senning operation: A new technique. *The Journal of Thoracic and Cardiovascular Surgery*, 81:131-134, 1981.
28. Levinsky L., Srinivasan V., Gingell RL., Fisher JE., Pieroni DF., Choh JH., Subramanian S. Papillary fibroelastoma of aortic and mitral valves following myectomy for idiopathic hypertrophic subaortic stenosis. *The Thoracic and Cardiovascular Surgeon*, 29:187-191, 1981.
29. Levinsky L., Srinivasan V., Choh JH., Idbeis B., Scott CW., Ibbett H., Subramanian S. Cardiac surgery in children of Jehovah's Witnesses. *The Johns Hopkins Medical Journal*, 148:196-198, 1981.
30. Levy MJ., Levinsky L., Deviri E., Hauptman E., Blieden LC. Coarctation of the aorta in infancy. *Texas Heart Institute Journal*, 10:57-62, 1983.
31. Schachner A., Vladutiu A., Montes M., Koreyni-Both A., Levinsky L., Levy MJ., Subramanian S. Myocardial protection in infant open heart surgery. *Scandinavian Journal of Thoracic and Cardiovascular Surgery*, 17:101-107, 1983.
32. Levinsky L., Srinivasan V., Gingell RL., Choh JH., Pieroni DR., Fisher J., Subramanian S. Senning repair with ductal decompression: Palliative approach to d-TGA and irreversible pulmonary vascular disease. *American Heart Journal* 106:409-412, 1983.
33. Levinsky L., Deviri E., Sahar G., Erdman S., Levy MJ. A simple method for insertion of a left atrial catheter in congenital heart disease. *Thoracic and Cardiovascular Surgeon*, 31:323-324, 1983.
34. Deviri E., Levinsky L., Yechezkel M., Levy MJ. Pregnancy following valve replacement with porcine xenograft prosthesis: Clinical experience and review of the literature. *Surgery, Gynecology and Obstetrics*, 160:437-443, 1985.
35. Deviri E., Yechezkel M., Levinsky L., Vidne BA., Levy MJ. Calcification of a porcine valve xenograft during pregnancy: A case report and review of the literature. *The Thoracic and Cardiovascular Surgeon*, 32:266-268, 1984.
36. Schachner A., Salomon J., Levinsky L., Blieden L., Levy MJ. Prosthetic valve replacement in infants and children. *J. Cardiovascular Surgery*, 25:537-544, 1984.
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44. Deviri E., Nili M., Levinsky L., Aygen M., Caspi A., Levy MJ. Late partial tamponade of the right atrium. A case report. *J. Cardiovascular Surgery*, 28:94-97, 1987.
45. Deviri E., Levinsky L., Levy MJ. Surgical correction of aortic stenosis. *Harefuah*, 112(8):408-409, 1987.
46. Erdman S., Levinsky L., Servadio C., Stoupel E., Levy MJ. Safety precautions in the management of patients with pacemakers when electrocautery operations are performed. *Surgery, Gynecology and Obstetrics*, 167:311-314, 1988.
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Editorials

1. Deviri E, Levinsky L., Levy MJ. Heart transplantation for hypoplastic left heart syndromes. (Editorial) Harefuah 114(12): 621-624, 1988.

Non-refereed Articles

1. Levinsky L, Gingell RL., Levin AN., Pieroni D., Subramanian S. Roentgenogram of the Season: Dyspnea in a seven year old boy. Cardiopulmonary Medicine, 18:19, 1979.
2. Deviri E., Levinsky L., Salomon J., Agmon J., Levy MJ. Surgical treatment for aneurysm of the thoracic aorta: Long term results. The Journal of Bloodless Medicine and Surgery, 3:13-17, 1985.
3. Sahar G., Levinsky L., Deviri E., Levy MJ. Entrapment of an intracardiac foreign body during open heart surgery. The Annals, 7:17-21, 1985.
4. Deviri E., Schachner A., Levinsky L., Levy MJ. Comparison of hemolysis following heart valve replacement between porcine and Medtronic Hall prosthesis in the mitral position. The Journal of Bloodless Medicine and Surgery, 3:67-68, 1985.

Abstracts in Yearbooks

1. Levinsky L., Schimert G., Lajos TZ., Lee AB., Korenyi-Both A., Vladutiu A., Montes M., Siegel JH. Use of steroids as a potentiator of hypothermic myocardial preservation in man. In W.P. Harvey (ed) Yearbook of Cardiology 1980, The Year Book Medical Publishers, Inc., 1980, pp. 312-313.
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3. Deviri E., Levinsky L., Yechezkel M., Levy MJ. Pregnancy after valve replacement with porcine xenograft prosthesis in: Pitkin R.M. and Zlatnik F.J. (eds). The Year Book of Obstetrics and Gynecology, 1986, The year Book Medical Publishers Inc., Chicago, London, pp. 58-59.

Chapters in Books

1. Levinsky L., Vidne P., Nudelman I., Salomon J., Kissin, L., Levy MJ. Thoracic injuries in the Yom Kippur War. In J.S. Borman (ed) Recent trends in cardiovascular and thoracic surgery. Grune and Stratton, 1975, pp. 195-200.
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3. Levy MJ., Benyakar M., Mibashan S., levinsky L., Rosenberg C., Fuchs Y. Sexual relations and the perception of health and happiness among patients following coronary artery bypass grafting and myocardial infarction From "Return to work after coronary bypass surgery" edited by P.J. Walter, Springer-Verlag, Heidelberg, New York, Tokyo, 1985, p. 246.
4. Deviri E., Levinsky L., Schachner A., Nili M., Levy MJ. Thromboembolism and anticoagulant treatment in patients with heart valve prostheses. In: Heart Valve Replacement; Current Status and Future Trends. (Ed.) Georgio Rabagc, Dentin A. Cooley, Futura Publishing Company, Inc. Mount Kisco, NY 1987, 285-295.
5. Levinsky L., Schachner A., Schonfeld T., Ben-Ari J, Berant M, Levy MJ. Severe major airway compression due to absent leaflets of the pulmonary valve with an intact ventricular septum and patency of the arterial duct. From: Perspectives in Pediatric Cardiology, Vol. 2. Pediatric Cardiac Surgery Part 3. Eds: G. Grupi, L Parenzan. Futura Publishing Company, Inc. Mount Kisco, NY 1990.

Proceedings of Conference

1. Erdman S., Levinsky, L., Raiff J., Aygen M., Levy MJ. Surgically induced A-V block by means of laser beam: A preliminary feasibility study. Cardiac pacing. Vienna May 1-5, 1983, Eds. Steinbach K et al, Steinkopff Verlag, Carmstadt, pp. 421-428.

Leon Levinsky, MB, B.S.

Scientific Meetings

1. Levinsky L., Weinberger AM., Levy MJ. Surgery in mitral incompetence due to papillary muscle dysfunction. 11th Convention of the Israel Surgical Society, Nov. 3-4, 1975.
2. Weinberg AM., Levinsky L., Levy MJ. Pseudo-aneurysm of the heart and great vessels. 11th Convention of the Israel Surgical Society Nov. 3-4, 1975.
3. Levinsky L., Lajos TZ., Lee AB., Schimert G. The revival of horseshoe graft - side to side saphenous vein to aorta anastomosis. New York Upstate Society of Thoracic Surgeons. Annual Spring Meeting, Elmira, New York, May 20, 1978.
4. Levinsky L., Lajos TZ., Lee AB., Schimert G. The revival of horseshoe graft - side to side saphenous vein to aorta anastomosis. The Michael DeBakey International Cardiovascular Society, Houston, Texas, Sept. 6, 1978.
5. Lajos TZ, Levinsky L., Lee AB., Schimert G., Green DG., Bunnell IL., Arami DJ., Visco J., Tandor R., Zimdahl WT., Kohn R., Bozer J. Refinements in coronary artery surgery contributing to improved survival. VIII World Congress of Cardiology, Tokyo, Japan, Sept. 17-20, 1978.
6. Levinsky L., Schimert G., Lajos TZ., Lee AB., Korenyi-Both A., Vladutiu A., Montos M., Siegel JH. The use of steroids as a potentiator of hypothermic myocardial preservation in man. The Association for Academic Surgery Conference, Cleveland, OH, Nov. 14, 1978.
7. Srinivasan V., Levinsky L., Gingell RL., Pieroni DR., Subramanian S. The Senning operation: A new look at an old procedure. American College of Cardiology, Scientific Exhibit, Houston, TX, March 9-13, 1980. Awarded Third Prize for Excellence.
8. Srinivasan V., Levinsky L., Gingell RL., Pieroni DR., Subramanian S. The Senning operation: A new look at an old procedure. American College of Surgeons, Atlanta, GA, October, 1980.
9. Srinivasan V., Levinsky L., Gingell RL., Pieroni DR., Subramanian S. The Senning operation: A new look at an old procedure. American College of Chest Physicians, 46th Annual Scientific Assembly, Boston, MA. October 26-30, 1980.
10. Levinsky L., Srinivasan V., Choh JH., Pieroni DR., Gingell RL., Subramanian S. A comparative analysis of the Senning and Mustard operation for transposition of the great arteries in the first year of life. World Congress of Pediatric Cardiology, London, England, June 2-5, 1980.

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11. Levinsky L., Srinivasan V., Choh JH., Pieroni DR., Gingell RL., Subramanian S. A comparative analysis of the Senning and Mustard operation for transposition of the great arteries in the first year of life. XI Inter-American Congress of Cardiology, San Juan, Puerto Rico, September 7-13, 1980.
12. Srinivasan V., Levinsky L., Choh JH., Subramanian S. Deep hypothermia and total circulatory arrest: The first decade. A retrospective analysis of 351 unselected cases. World Congress of Pediatric Cardiology, London, England, June 2-5, 1980.
13. Srinivasan V., Levinsky L., Choh JH., Subramanian S. Deep hypothermia and total circulatory arrest. The First decade. A retrospective analysis of 351 unselected cases. XI Inter-Am... Congress of Cardiology, San Juan, Puerto Rico, September 7-... 1980.
14. Deviri E., Levinsky L., Salomon J., Levy MJ. Surgical treatment for aneurysm of the thoracic aorta; long term results. International vascular symposium, Sept. 14-17, 1981, London.
15. Levy MJ., Levinsky L., Deviri E., Hauptman E. Complicated coarctation in infancy. American College of Angiology, 29th Annual Meeting, Minneapolis, Minnesota, August 29 to December 3, 1982.
16. Levy MJ., Levinsky L., Deviri E., Hauptman E. Complicated coarctation of infancy. Denton A. Cooley Cardiovascular Society Meeting, Athens, Greece, September 20-23, 1982.
17. Levinsky L., Subramanian S. Anomalous origin of the left coronary artery from the pulmonary trunk; Clinical spectrum and current surgical management. International Symposium on coronary arteries in infants and children, Tel Aviv, Israel, October 17-20, 1982.
18. Schachner A., Salomon J., Levinsky L., Blieden LC., Levy MJ. Prosthetic valve replacement in infants and children. Meeting of the European Society of Cardiovascular Surgery, Stockholm, Sweden 1982.
19. Deviri E., Levinsky L., Salomon J., Levy MJ. Surgical treatment for aneurysm of the thoracic aorta; long term results. 14th National Surgical congress of the Israel Surgical Society, Beer Sheba, March 20-24, 1983.
20. Levinsky L., Deviri E., Schachner A., Blieden LC., Levy MJ. Repair of coarctation of the aorta in infants below 3 months of age 14th National Surgical Congress of the Israel Surgical Society, Beer Sheba, March 20-24, 1983.
21. Levy MJ., Deviri E., Levinsky L., Salomon J. Surgical treatment for aneurysm of the thoracic aorta; long term results. Vith International Congress of Emergency Surgery. Dobrovnik, Yugoslavia, June 6-10, 1983.

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22. Levinsky L., Deviri E., Schachner A., Blieden LC., Levy MJ. Repair of coarctation of the aorta in infants below 3 months of age. XVIth World Congress of the International Society for Cardiovascular Surgery, Rio De Janeiro, Brazil, September 18-23, 1983.
23. Schachner A., Deviri E., Levinsky L., Salomon J., Levy MJ. Three years experience with the Medtronic Hall prosthesis in 110 patients. Medtronic International Congress, St. Thomas Island, October 1983.
24. Yechezkel M., Deviri E., Levinsky L., Salomon J., Schachner A., Levy MJ. heart valve replacement by porcine xenograft; experience with 164 patients. Congress of the Cardiology Association, Tel Aviv, January 1983.
25. Deviri E., Levinsky L., Salomon J., Levy MJ. Surgical treatment of aneurysm of the thoracic aorta; long term results. Annual Meeting of the Society of Thoracic and Cardiovascular Surgery. Tel Aviv, Israel, June 8, 1984.
26. Goldberg, I., Sahar G., Schachner A., Levinsky L., Salomon J., Levy MJ. Complications of intra-aortic balloon pump. Annual Meeting of the Society of Thoracic and Cardiovascular Surgery. Tel Aviv, Israel, June 8, 1984.
27. Deviri E., Levinsky L., Yechezkel M., Levy MJ. Pregnancy following valve replacement with porcine xenograft prosthesis, 8 years experience. IXth European Congress of Cardiology, Dusseldorf, Germany, June 8-12, 1984.
28. Levinsky L., Deviri E., Schachner A., Blieden L., Levy MJ. Repair of coarctation of the aorta in infants below 3 months of age XXXIII International Congress of the European Society of Cardiovascular Surgery. Madrid, September 6-8, 1984.
29. Levy MJ., Yechezkel M., Deviri E., Levinsky L. Experience with porcine aortic valve xenograft; new frontiers in medical research. The Beilinson Medical Center, May 23, 1984.
30. Deviri E., Levinsky L., Yechezkel M., Levy MJ. Pregnancy following valve replacement with porcine xenograft. Eight years experience; new frontiers in medical research. Conference of medical research. The Beilinson Medical Center, May 23, 1984.
31. Levinsky L., Deviri E., Schachner A., Levy MJ. Repair of coarctation of the aorta in infants below 3 months. International Congress of Angiology, Athens, Greece, June 9-14, 1985.
32. Deviri E., Levinsky L., Shaklai M., Lavie G., Levy MJ. Total excision of a giant angioliipoma of back with A-V malformation: A case report. International Congress of Angiology, Athens, Greece June 9-14, 1985.

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33. Erdman S., Levinsky L., Levy MJ. Experience with the Shaw Scalpel in pacemaker surgery. Third European Congress on Cardiac Pacing, Toremolinos (Malaga). June 2-5, 1985.
34. Deviri E., Schachner A., Yechezkel M., Salomon J., Levinsky L., Levy MJ. Comparison between porcine xenograft and Medtronic Hall prosthesis in mitral position. Fifteenth National Israeli Surgical Society Conference, March 27-29, 1985.
35. Sivan Y., Zeevi B., Nutman J., Berant M., Levinsky L., Schoenfeld T. Acute hepatic failure following cardiac surgery in children. Fourth World Congress of Intensive and Critical Care Medicine. Jerusalem, Israel, June 23-28, 1985.
36. Goldberg I., Sahar G., Ovil Y., Schachner A., Levinsky L., Salomon J., Levy MJ. Experience with intra-aortic balloon pump (IABP). Fourth World Congress of Intensive and Critical Care Medicine, Jerusalem, Israel, June 23-28, 1985.
37. Schachner A., Deviri E., Yechezkel M., Salomon J., Levinsky L., Levy MJ. Comparison between porcine xenograft and Medtronic Hall prosthesis in the mitral position. XVII World Congress of the International Society for Cardiovascular Surgery Monte Carlo, Aug 25-30, 1985.
38. Deviri E., Yechezkel M., Levinsky L., Levy MJ. Occupational and Functional rehabilitation following valve replacement with porcine xenograft. XVII World congress of the International Society for Cardiovascular Surgery, Monte Carlo, Aug. 25-30, 1985.
39. Deviri E., Levinsky L., Erdman S., Blieden L., Levy MJ. Surgical treatment for subaortic stenosis; long term results. International Symposium for vascular surgery. Jerusalem, March 24-27, 1986.
40. Levinsky L., Schachner A., Schonfeld T., Berant M., Levy MJ. Severe major airway compression due to absent pulmonary valve with intact septum and patent ductus arteriosus. First World Congress of Pediatric Cardiac Surgery, Bergamo, Italy, June 19-23, 1988.
41. Levinsky, L. Cardiac Surgery in the Elderly. Perspectives in Surgery. Surgical Grand Rounds, State University of New York at Buffalo, March 2, 1991.

Post Graduate Courses

1. Cardiothoracic surgery postgraduate course at the meeting of the American College of Surgeons, Dallas, Texas, October, 1977.
2. Surgery for congenital heart defects at Institute of Child Health, The Hospital for Sick Children, Great Ormond Street, London, September, 1984.
3. Surgery for congenital heart defects course at Institute of Child Health, Hospital for Sick Children, Great Ormond Street, London, September 30th, October 1st and 2nd, 1985.

Sabbatical

15th April to 22nd July 1986.

Participated in scientific research in the department of cardiovascular research, Thorax Center, Erasmus University, Rotterdam, the Netherlands. The subject of the research was the cardiovascular effects of UD-CG 212 CL a metabolite of Pimobendan in pigs. As a result of this research I coauthored two papers.

List of Courses Taught and Other Teaching Activities

1. Tutor in Cardiothoracic Surgery to 5th year medical students of the Sackler School of Medicine, University of Tel Aviv from 1981-1989. A teaching commitment of at least 160 hours a year in tutorials and lectures was undertaken. In addition, I served as examiner in the final examination in surgery twice a year.
2. Tutorials in cardiothoracic surgery to 3rd year medical students of the School of Medicine and Biomedical Sciences University at Buffalo, State University of New York. These tutorials are given during 3 week clerkship in my service at the Veterans Hospital (3 clerkships in 1989)
3. Examiner in final surgical exam, December 1989.
4. Lecturer in Valvular Heart Disease (Surgery 700) from March 1990.

Leon Levinsky, MB, B.S.

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1 PROGRAM CODE: 22160
2 STATUS CODE: 2
3 FEE CATEGORY: EX 7C
4 EXP. DATE: 19920731
5 FEE COMMENTS: -----
6 OCCOM FIN ASSUR REQD: N
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A. REGION

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DATE 5/18/62

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

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