

General Information

Name: Alberto Odor
Born in: Mexico City, June 7, 1952
Citizenship: Mexican
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Professional Studies

School: Faculty of Medicine
University: National Autonomous University of Mexico
Graduated on: December 31, 1976
Title obtained: Medical Doctor
General Average: 9.65
Internship : Hospital Español de Mexico - 1976
Social Service: Exp. Res. Lab. - National Institute of Medical Sciences - 1977

Graduate Studies

Masters Degree in Biomedical Informatics
Oregon Health and Sciences University
2002 -

Doctors Degree in Medical Sciences – Clinical Research (thesis pending)
National Autonomous University of Mexico
National Institute of Medical Sciences
1986-1988

Masters Degree in Medical Sciences – Clinical Research
National Autonomous University of Mexico
National Institute of Medical Sciences
1984-1986

Residency in Transplantation Surgery
National Institute of Medical Sciences
1984-1986

Residency in General Surgery
National Institute of Medical Sciences
1981-1984

Residency in Internal Medicine
National Institute of Medical Sciences
1979-1981

Postgraduate Internship
Hospital Español de Mexico
1978-1979

Current Positions

Associate Adjunct Professor
UC Davis School of Medicine
2008 -

Member of the Health Informatics Graduate Group
UC Davis Medical Center
2008 -

Former Positions

Visiting Assistant Professor
UC Davis Medical Center
2006 - 2008

Chief, Research Division
National Rehabilitation Center
2000 – 2006

Chief, Experimental Surgery Department
National Rehabilitation Center
2000 – 2006

Telemedicine Clinical Coordinator
National Rehabilitation Center
2000 – 2006

National Investigator in Medical Sciences “E”
National Institutes of Health (Mexico)
2000 – 2006

Professor of Medical Informatics
Anahuac University, School of Medicine
1999 - 2001

Chief, Electronic Visualization and Publications Department
National Institute of Medical Sciences
1996 - 2000

Coordinator, Institutional Committee for Animal Research
Research Division
National Institute of Medical Sciences
1994 - 2000

Medical Informatics Committee (Member)
National Institute of Medical Sciences
1989 - 2000

Chief, Basic Research Division
National Institute of Medical Sciences
1992 - 1996

National Researcher
National Research System
1988-1997

Chief, Department of Experimental Surgery
National Institute of Medical Sciences
1989 - 1991

Academic Tutor, Master's and Doctor's Degrees in Medical Sciences
Graduate Division, Faculty of Medicine
National Autonomous University of Mexico
1989 -

Program Coordinator, Master's and Doctor's Degrees in Medical Sciences
Graduate Division, Faculty of Medicine
National Autonomous University of Mexico
1988 - 1989

Staff Researcher "A"
National Institutes of Health
1988 - 1989

Associate Researcher "C"
National Institutes of Health
1987 - 1988

Foreign Languages

English:

Michigan English Language Assessment Battery
Final score: 90.0 Mexico, 1985

Certificate of Proficiency in English. Local Examinations Syndicate
University of Cambridge - Cert. No : 614552054 Mexico, 1976

Lower Cambridge Certificate in English. Local Examinations Syndicate
University of Cambridge - Cert. No : 8002 271 Mexico, 1974

German:

German School, Alexander von Humboldt. 1957 – 1968

Scientific Awards

First Prize, Free Communications
National Gastroenterology Congress – 1989
"Urinary Thromboxane B2 in the Diagnosis of Experimental Mesenteric Thrombosis"

INTERNATIONAL GUEST SCHOLAR
American College of Surgeons
1989

Honorary Fellow
Graduate Division
University of Minnesota, School of Medicine
1989

Special Prize, Free Communications
1st National Meeting of Students in Health Research
"Pancreatoduodenal Allotransplantation in dogs. Experimental Model for the Diversion of Pancreatic Exocrine Secretion"

Dr. Francisco Montes de Oca, National Award
Mexican Surgeons Academy – 1987
"Urinary Thromboxane B2 in the Early Detection of Rejection of Lung Allotransplants"

GABINO BARREDA AWARD AND MEDAL
OFFICE OF THE DEAN
National Autonomous University of Mexico – 1987
Awarded for having the highest grades during the graduate studies in General Surgery

First Prize, Free Communications
6th Meeting of Graduate Students in Biomedicine – 1987
In vivo Thromboxane Production by Different Organs in the Rat

Glaxo Award, Free Communications
Meeting of the Latinamerican Union of Tisiology – 1987
"Urinary Thromboxane B2 in the Diagnosis of Rejection in Lung Allotransplantation"

Third Prize, Free Communications
3rd Meeting of Graduate Students in Biomedicine – 1986
"Immunoreactive Thromboxane A2 in Experimental Diabetes Mellitus and Gentamicine Toxicity"

First Prize, Free Communications
South Central Section, American Urological Association – 1986
"Non-invasive Method for Renal Mass Determination. Its Application for Calculating Glomerular Filtration per Gram of Renal Mass."

HONORIFIC MENTION in the Examination to obtain the Degree in General Surgery
Dissertation: "Surgical Aspects of Continuous Ambulatory Peritoneal Dialysis"
National Autonomous University of Mexico - 1985

First Prize, Surgical Cinematography
National Surgeons Assembly – 1984
"Pancreatic Transplantation (Video)"

Mexican Surgeons Academy, Special Award – 1983
"Evaluation of the Endocrine Function in Segmental Pancreas Transplantation"

Dr. Jose Castro Villagrana, National Award
National Surgeons Assembly - 1978
"Allotransplantation of Purified Islet of Langerhans in Diabetic Rats"

Dr. Francisco Montes de Oca, National Award
Mexican Surgeons Academy – 1976
"Islets of Langerhans. Isolation, Purification and Experimental Transplantation"

Teaching Experience

Instructor of Record – Electronic Health Records
Masters Degree in Health Informatics
UC Davis School of Medicine
2009 -

Instructor of Record - Seminar in Health Informatics
Masters Degree in Health Informatics
UC Davis School of Medicine
2008 -

Professor of Medical Informatics
Anahuac University School of Medicine
1999 - 2001

Professor of Research Methodology and Statistics,
Graduate Course in Laboratory Animal Sciences
National Autonomous University of Mexico
1991 - 1994

Professor of Research Methodology, Statistics and Computer Sciences
Nursing School - National Institute of Medical Sciences
1986 - 1994

Professor of Computer Sciences in Biomedicine
Master's and Doctor's Degrees in Medical Sciences
National Autonomous University of Mexico
1987 – 1993

Invited Professor of Research Methodology and Statistics
Residency Course in Anesthesiology
Hospital Español de Mexico
1986 - 1992

Professor of Pathology I
Nursing School
National Institute of Medical Sciences
1985 – 1987

Professor of Pathology II
Nursing School
National Institute of Medical Sciences
1985 – 1987

Professor of Pharmacology
Nursing School
Hospital Español de México
1978

Scientific Publications (refereed journals)

1. Yelowlees P, Odor A, Burke M, Iosif A, Haught K, Hilty D. Asynchronous Telepsychiatry: A Feasibility Study of a Novel Method for the Provision of Psychiatric Consultations. Psychiatric Services. 2010. (Accepted for Publication).
2. Odor A. High resolution 3D Models for the Teaching of American Sign Language. Stud Health Technol Inform. 2009; 144:82-6
3. Almazan A, Miguel A, Odor A, Ibarra JC. Intraoperative incidents and complications in primary arthroscopic anterior cruciate ligament reconstruction. Arthroscopy. 2006 Nov;22(11):1211-7.

4. Odor MA, Mercado O, Lopez R, Zaldivar L, Cruz F, Almazan A. Development of a Database-Driven Internet Telemedicine System Using Open Source Software. *Technology and Health Care* 12(5):381, 2004.
5. Odor MA, Lopez R. Internet-Based "Lip Reading" Education for the Hearing Impaired. *Technology and Health Care* 12(5):379, 2004.
6. Odor MA, Lopez R, Barriguete A. Internet-Based Corporal Image Modification in Patients with Anorexia Nervosa and Bulimia. *Technology and Health Care* 12(5):380, 2004.
7. Odor MA, Almazan A, Cruz F, Cano L, Lopez R, Smith W. Development of a Portable Electronic Medical Record (PEMR) Modifiable Through a Web Interface. *Technology and Health Care* 12(5):378, 2004.
8. Odor MA, Lopez R, Smith W. Digital Edition Laboratory and Web Services for Continuous Medical Education in Rehabilitation. *Technology and Health Care* 12(5):381, 2004.
9. Franco BR, Guízar SG, García GA, Odor MA, Alvarez A, Esquivel F, Rodríguez S. Retinal Vulnerability to Glutamate Excitotoxicity in Canine Glaucoma: Induction of Neuronal Nitric Oxide Synthase in Retinal Ganglion Cells. *Proc West Pharmacol Soc* 41:201-204, 1998.
10. Ibarra A, Espitia AL, Madrazo I, Kretschmer R, Guizar SG, Salgado CH, Flores MF, Castañeda HG, Odor MA, López MRM, Franco BR. *Alteration in the Bioavailability of Cyclosporine-A, after Experimental Acute Spinal Cord Injury*. *Journal of Neurotrauma* 13:267-272, 1996.
11. Campollo RO, Cortes GR, Gutiérrez M, Muñoz RM, Odor MA. *Sodium Benzoate and Lactulose for the Treatment of Hepatic Encephalopathy*. *J Hepatol* 21:1444, 1994
12. Gutiérrez M, Cortes GR, Odor MA, Muñoz RM, Campollo RO. *Efecto del Benzoato de Sodio y Lactulosa Sobre la Concentración de Amonio en Ratas con Anastomosis Portocava*. *Rev Gastroenterol Mex* 57:288, 1994.
13. Ibarra A, Kretschmer R, Guizar SG, Salgado CH, Grijalba J, Flores MF, Castañeda HG, Odor MA, López MRM, Franco BR, Espitia AL, Madrazo I. *Acute Spinal Cord Injury Alters Bioavailability of Oral and Intraperitoneal Cyclosporine-A in Contused Rats*. *J Neural Transplantation & Plasticity* 3(4):317-318, 1992.
14. Arteaga D, Odor MA, López MRM, Contreras G, Pichardo E, García E, Aranda A, Chávez E. *Impairment by Cyclosporin A of Reperfusion Induced Arrhythmias*. *Life Sciences* 51:1127-1134, 1992.
15. Campollo RO, Gutiérrez M, Cortés GR, Odor MA, Muñoz R. *Effect of Sodium Benzoate, Lactulose and CH-1, on Amonia in Rats with Portocaval Shunt*. *Hepatology* 16:248, 1992.
16. Herrera HFM, López KX, Rivero SE, Odor MA, de la Garza VL, Vargas VF. *Esplenectomía en Púrpura Trombocitopénica Idiopática. (Carta)* *Rev Inv Clin (Mex)* 44:283, 1992.
17. Santillán DP, Jasso VR, Sotres VA, López MR, Santibañez A, Arreola JL, Olmos R, Villalba CJ, and Odor MA. *Urinary Thromboxane B2 Excretion During Acute Rejection in Cyclosporin Treated Experimental Lung Allograft Transplantation*. *Transplant Proc* 24:2022-2023, 1992.
18. Odor MA. *Nueva Infraestructura Para la Investigación Médica. Instalaciones Optimas Para Trabajar con Animales*. *Gaceta Facultad de Medicina* 17:8-9, 1991.

19. Odor MA. *Unidad de Investigación Experimental. Información General*. Rev del I.N.N.S.Z. 2:2-6, 1991
20. Fernández del Castillo C, Díaz SV, Varela FG, Odor MA, López MRM, Robles DG. *Testosterone Biotransformation by the Isolated Perfused Canine Pancreas*. Pancreas 6:104-111, 1991.
21. González OA, Herrera HM, Torres MG, Odor MA, y de la Garza VL. *Resultados de la Participación de Médicos Residentes en el Tratamiento Quirúrgico de la Litiasis Vesicular*. Rev Invest Clin 43(4):338-345, 1991.
22. Odor MA, López MR, Varela FG, Ponce PJ, Luque LE, Larriva SJ. *Increased Thromboxane Production by the Pancreas After 24 Hours Preservation in UW-1 Solution*. Transplant Proc 23(1):1643-1644, 1991.
23. López MR, Ponce PJ, Varela FG, Chavira ES, Orozco JC, and Odor MA. *Extensive Decrease in Insulin Secretion By the Pancreas Preserved for 24 Hours in UW1 Solution*. Transplant Proc 23(1):1676-1678, 1991.
24. Herrera HM, López KX, Rivero SE, Odor MA, de la Garza VL. *Esplenectomía en Púrpura Trombocitopénica Idiopática*. Rev. Inv. Clin. Mex. 42(1):14-17;1990
25. Odor MA, López MR, Luque LE, Chavira ES, Sotres VA, Larriva SJ, de la Rosa LC, and Chávez-Peón MF. *Urinary Amylase, Urinary Insulin, or Urinary Thromboxane: Which is the Best Predictor of Pancreatic Allograft Rejection in the Dog*. Transplant Proc 22(2):709-711; 1990
26. Santillán DP, Odor MA, Villalba CJ, Jasso VR, Sotrés VA, Santibanez A, López MR, Gaxiola M, de la Rosa LC. *Thromboxane-B2 (TxB2) and Lung Transplantation: Correlation of Rejection with Levels Detected in Bronchoalveolar Lavage (BAL)*. Transplant Proc 21(4):3650-3652; 1989
27. Odor MA, López MR, Larriva SJ, López GC, Rodríguez SL, Luque LE, Campos BL, de la Rosa LC, Chávez-Peón MF. *Urinary Thromboxane-B2 (TxB2) as an Indicator of Pancreatic Allograft Rejection in Nonimmunosuppressed Dogs*. Transplant Proc 21(4):3646-3649; 1989
28. Herrera HM, Odor MA, Chávez MT, Reyes E, González S, Cortés GR, de la Rosa LC. *Tromboxano B2 Urinario Inmunoreactivo en Trombosis Mesentérica Experimental en Perros*. Rev Inv Clin (Mex) 41(2):123-127; 1989
29. Murphy AC, Odor MA. *La Comunicación Científica y el Procesador de Textos*. Bioquímica 13(2):19-21; 1988.
30. Odor MA, López GC, Rodríguez SLC, López MR, Chavira ES, de la Rosa LC, and Chávez Peón MF. *Urinary Immunoreactive Thromboxane B2 as Early Indicator of Pancreas-Allograft Rejection Jejunum Loop Interposition for the Drainage of Segmental Pancreatic Allografts to the Bladder in the Dog*. Diabetes 38(Suppl 1):227-228; 1989
31. Odor MA, López MR, Chavira ES, Chávez PT, Franco BR, Chávez Peón MF, and de la Rosa LC. *Inhibition of Thromboxane Production by the Pancreas in Response to High Glucose Levels. Protective Role of Hyperglycemia in Pancreas Transplantation?* Diabetes 38(Suppl 1):256-257; 1989.
32. Santillán DP, Odor MA, Selman M, Gaxiola M, López MR, Chavira ES, de la Rosa LC, and Villalba CJ. *Urinary Thromboxane B2 as an Indicator of Acute Rejection in Lung Allotransplantation*. Transplantation 45(5):852,1988

33. Odor MA, Chávez MT, López RM, Fernandez M, Chavira ES, Campuzano FM, and de la Rosa LC. *In Vivo Thromboxane Production by the Pancreas in Normal and Diabetic Rats*. Dig Dis Sci 32(10):1179; 1988
34. Odor MA, Chávez MT, Franco BR, Zurita M, Chávez Peón MF, and de la Rosa LC. *In Vivo Thromboxane Production by Different Organs in the Rat. Its Implications in Transplanted Organs' Failure*. Transplant Proc XIX(4):131-136; 1987.
35. Mendoza VA, Gabilondo NF, Odor MA, Feria BG, Bordes AJ, Kasep BJ, Sánchez J, Sánchez SG, Peña JC, and Elías DJ. *The Impact of Renal Donation: Long Term Follow-up of Living Donors in a Single Center in Mexico*. Transplantation Proceedings 19(1):1500-1502; 1987
36. Bordes AJ, Odor MA, Dib KA, Gabilondo NF, Kasep BJ, Peña JC, Herrera AJ, Chávez Peon MF. *Randomized Clinical Trial of Cyclosporin or Donor Specific Transfusions in High Risk LRD Kidney Transplantation*. Transplantation Proceedings 9(1):2276-2277; 1987
37. Odor MA, Castorena AG, Jimeno C, Peña JC, Bordes J, de la Rosa LC, and Chávez Peón MF. *Hemodialysis or Continuous Ambulatory Peritoneal Dialysis Before Transplantation: Prospective Comparison of Clinical and Hemodynamical Outcome*. Transplan Proc 19(1):2197-2199;1987
38. Campollo O, Dibildox JM, Odor MA, Amieva RI, GilS, Pedroza J, Uribe M. *Effect of Lactose Perfusion on the Intestinal Transport of Electrolytes, Colonic pH, and Blood Amonia Levels*. Hepatology 6(5):1151; 1986
39. Mendoza VA, Gabilondo NF, Odor MA, Feria BG, Bordes AJ, Kasep BJ, Sánchez G, Peña JC, Elías DJ. *The Impact of Renal Donation: Long Term Follow-up of Living Donors in a Single Center in Mexico*. J Urology 135:195A; 1986
40. Odor MA, Alessio Robles LLP, Leuchter IJ, Mendoza VA, Bordes AJ, Wadgymar RA and Chávez Peón MF. *Surgical Experience With 150 Consecutive Permanent Peritoneal Dialysis Catheters in Patients on CAPD*. Perit Dial Bull 5(4):226-229; 1985
41. Odor MA, Chávez Peón MF, Mendoza VA, Bordes AJ. *Selección de Receptores Para Trasplante Utilizando una Computadora Personal*. Rev Inv Clin (Mex) 37:171-176; 1985
42. de la Garza VL, Odor MA. *Perforación Esofágica y su Tratamiento*. Rev Gastroenterol Mex 49:109; 1984
43. Dib KA, Santin A, Jasso VR, Torres JM, Ricano R, Galvan E, Robles G, Odor MA y Chávez Peón MF. *Trasplante Segmentario de Páncreas (2a Parte)*. Rev Gastroenterol Mex 48(4):274; 1983
44. Aranceta FM, Rosado LLJ, Odor MA, Campuzano FM, Cardenas SS. *Adenocarcinoma del Ampula de Vater*. Rev Gastroenterol Mex 47:284; 1982
45. Odor MA, Rosado LLJ, de la Garza VL. *Tratamiento Quirúrgico de la Colitis Ulcerativa Crónica Inespecífica*. Rev Gastroenterol Mex 47:294; 1982
46. Dib KA, Jasso VR, Cano L, Odor MA, Rojas H, de la Rosa LC y Chávez Peón MF. *Trasplante Segmentario de Páncreas (1a Parte)*. Rev Gastroenterol Mex 47(4):283; 1982
47. Odor MA, Quiroz MH, Chávez Peón MF. *Alotrasplante de Islotes de Langerhans Puros en Ratas Diabéticas por Alloxana*. Rev Inv Clin Mex 30:178-179; 1978

Chapters in Books

Odor MA, Zaldivar L. Conceptos Actuales en Informática Médica y Tele-Salud. (Current Concepts in Medical Informatics and Tele-Health). National Institute of Medical Sciences, 2001.

Diliz PH, Orozco ZH, Odor MA. *Trasplante Hepático (Liver Transplantation)* In: Avances Recientes en Trasplante de Organos. Capítulo 30 Salvat Editores, 1988.

Recent Research Grants

1. A Pilot Study of Store and Forward Telepsychiatry in Military Settings.
Walter Reed National Military Medical Center
University of California Davis Medical Center
2009-2010 (Co-investigator)
\$178,000 - 0.20 FTE
2. Store & Forward Telepsychiatry: A Cross Cultural Validation Study in Rural California
The Blue Shield Foundation of California
University of California Davis Medical Center
2007 – 2008 (co-investigator)
\$470,000 – 0.50 FTE
3. Faculty Fellowship Grant
UC MEXUS – CONACYT
University of California Davis Medical Center
2006 (principal investigator)
\$40,000 – 1.0 FTE
4. Digital Media Library for Distance Education in Rehabilitation
National Council for Science & Technology
Mexico City – Mexico
2004 – 2006 (principal investigator)
\$100,000 – 0.50 FTE
5. Database for Tele-Health in Rehabilitation.
National Council for Science & Technology
Mexico City – Mexico
2001 – 2004 (principal investigator)
\$100,000 – 0.50 FTE
6. Distance Education Course for Orthotics and Prosthetics Technicians
Center for International Rehabilitation
Chicago – USA
2002 – 2004 (principal investigator)
\$45,000 – 0.40 FTE

Informatics

1. Visual Basic Programming
National Autonomous University of Mexico, 1999
2. Programming Techniques
National Autonomous University of Mexico, 1999
3. Editorial Editing (Spanish)
Editorial Direction
National Autonomous University of Mexico, 1997
4. Diploma in Computer Assisted Editorial Design
Graduate and Continual Education Unit
School of Design
National Institute of Fine Arts, 1996
5. Scientific Editing
World Health Organization
National Institute of Medical Sciences, 1995
6. Power user of Personal Computers with expertise in:
 - Microsoft's: Office Professional Suite, FrontPage, IE5, Visual Basic 6, Visual InterDev.
 - Adobe's: Photoshop, Page Maker, Illustrator, Acrobat
 - Macromedia's: Fireworks, Flash, Dreamweaver-UltraDev, Freehand
 - Autodesk's: 3D-Studio Max
 - SPSS's: Sigmaplot, Sigmastat, Sigmascan, SPSS Statistics
 - Open Source: MySQL , Python, PHP
7. Skills:
 - Text writing
 - Text editing
 - Editorial design
 - Spreadsheet use
 - Relational databases (Access, Microsoft SQL, MySQL)
 - Data analysis
 - Data mining
 - Medical graphics design
 - Design and maintenance of web sites
 - Audiovisual CD-ROM production
 - Digital video editing
 - 3D modeling and animation