

**MARVIN PIETRUSZKA, M.D., J.D.**

**Forensic Pathology**

**Forensic Toxicology**

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## **CURRICULUM VITAE**

### **EDUCATION AND TRAINING:**

Undergraduate – Hunter College, City University of N.Y. Bachelor of Arts, 1969.

Graduate – Autonomous University of Guadalajara Doctor of Medicine, 1972.

Postgraduate –

1. Rotating Internship – Univ. of Puerto Rico, Mayaguez Medical Center, 1973.
2. Pathology Residency – Univ. of Pittsburgh, School of Medicine, 1973 - 1976.
3. Clinical Immunopathology Fellow – U of Pittsburgh, Dept. of Pathology, 1977.
4. Juris Doctor Degree – Abraham Lincoln University, School of Law, 1997-2001.
5. University of Florida, Forensic Toxicology Masters Degree, 2004.
6. RMIT University, Melbourne, Australia, Graduate Diploma in Toxicology, 2005.  
Master's in Applied Toxicology, 2009.
7. University of Edinburgh, Graduate Diploma Translational Medicine, 2012 to 2014

### **CERTIFICATION, LICENSURE AND FELLOWSHIP:**

American Board of Pathology (Anatomic and Clinical) 1977

American Board of Preventive Medicine (Occupational Medicine) 2006

American Board of Forensic Toxicology 2008

Medical Licenses: Pennsylvania, 1975 No. 036075; California, 1977 No. A30858  
Q.M.E. No.. 008609; Texas, 2011 No. P1130

Civil Surgeon's Identification Number (CSID #), U.S. Citizenship and Immigration Services 102502

### **APPOINTMENTS AND POSITIONS:**

1978-1979 Co-Director, Upjohn Laboratory Procedures, Inc.

1978-1987 Director, Diagnostic Pathology Associates

1980-present Medical Director at Del Carmen Medical Center

1980-present Valley Presbyterian Hospital, Providence-Tarzana Medical Center

1987-present Medical Director of KedPlasma, a Plasmapheresis Center

1997-present Pathologist, Forensic Autopsy Services

1999-present Clinical Associate Professor of Pathology, University of  
Southern California, Keck School of Medicine

2001-present Director – Psychomedics Inc. Toxicology Laboratory

2001-present Director – H.I.B.M. Genetics Research Laboratory

## **HONORS:**

Scholarship – Autonomous University of Guadalajara  
Fellow of the American Cancer Society  
Fellow of the College of American Pathologists  
Award Mayor Bradley for Senior Health Care Program  
Centro de Amistad Award for donated services to Latino Community  
County of L.A. Supervisor Mike Antonovich award for public service  
City Attorney Office Award for Services to Victims of Crime  
Keck USC School of Medicine, Professor of the Year (2002, 2004)

## **PROFESSIONAL ACTIVITIES:**

Teaching Fellow, School of Cytotechnology of the University Health Center of Pittsburgh, 1974 to 1977.  
Associate Laboratory Instructor, University of Pittsburgh School of Medicine, Department of Pathology, 1974 to 1977.  
Guest Lecturer, California State University – Advanced Immunology Review, August 1978.  
Regular Lecturer, University of Southern California, School of Medicine, 1983-1984.  
Postgraduate Fellowship Training, Olive View Medical Center Department of Obstetrics and Gynecology, 1988-1989.  
Career Consultant, California State University at Northridge, 1989-present.  
Centro de Amistad Physician Consultant for abused women and children, 1986-present.  
Lecturer Valley Presbyterian Hospital – Health Education Center – Hispanic Prenatal Care Program, 1993.  
Human Resource Center, Inc. – President – a non-profit community clinic serving the indigent and elderly, 1984-1996.  
Chabad of the Valley – A non-profit organization – volunteer staff physician serving indigent community members , 1981-present.  
Los Angeles Regional Food Bank – local director of distribution center – San Fernando Valley, 1995.  
Consultant – Contributing Forces for Battered Women, 1995-1997.

## **RESEARCH:**

1971 Intestinal Transit Time and Its Relationship to Dietary Fiber.  
1976 Review of Sarcomas of the Breast – University of Pittsburgh, Health Center Hospitals.  
1989-Present Hyperimmunization of Blood Donors for the Production of Anti-Rh (D) Gammaglobulin (Immunization Research).  
1993-Present Vaccine Induction of Antibodies to Hepatitis B Vaccine (Immunization Research).  
2000 Clinical Investigator for Quintiles Laboratories/GlaxoWellcome Study of Females with Irritable Bowel Syndrome.

- 2001 Clinical Investigator for Bayer Pharmaceuticals Study on Community Acquired Pneumonia.
- 2002 Liver Cell Transplantation Using a Mouse Model of Wilson's Disease – Professor Paul Wright, Mentor, RMIT University.
- 2006 Clinical Investigator for study of Polymerase Chain Reaction Testing for Hepatitis B Virus in Pooled Samples from Source Plasma Donors – Protocol NGI 99-01/BB-IND 8629 – Baxter Study
- 2007 Merck Diabetes Clinical Research Study (Protocol # MK-0431A-079)
- 2007 Merck Diabetes Clinical Research Study (Protocol # MK-0431-064)
- 2007 Merck Renal Insufficiency Research Study (Protocol # MK-0431-063)
- 2008 Merck Diabetes Clinical Research Study (Protocol # MK-0431-061)
- 2008 Pfizer GI Reasons Clinical Research Study
- 2008 SeraCare Hepatitis A Clinical Research Study
- 2008 SeraCare Rubella Clinical Research Study
- 2009 Pfizer GI Reasons Clinical Research Study (Protocol # A3191331)
- 2009 Pfizer GI Reasons Clinical Research Study (Protocol # A4091016)
- 2009 Pfizer GI Reasons Clinical Research Study (Protocol # A4091018)
- 2009 Targeted Medical Pharma Research Study (Protocol # SentraPM 102)
- 2009 Merck Asthma Clinical Research Study (Protocol # MK-0633-007)
- 2010 Merck Gardasil Vaccine Research Study (Protocol # V503-002)
- 2010 Merck Diabetes Clinical Research Study (Protocol # MK-0431-061)
- 2012 Ventrus Biosciences, Symptomatic Internal Hemorrhoids (VEN309-Hem)

## **MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES:**

College of American Pathologists, Diplomate  
 Interamerican College of Physicians and Surgeons  
 American Academy of Clinical Toxicology  
 American Board of Forensic Toxicology, Diplomate

## **PUBLICATIONS:**

1. Pietruszka, M., Rabin, B.S., and Strodes, C.: Multiple Myeloma in a Husband and Wife. *Lancet* 1:314, 1976.
2. Barnes, E.L., and Pietruszka, M.: Stromal Sarcomas of the Breast: A Clinicopathologic Analysis of 10 Cases. *Cancer* 40: 1577-1977.
3. Pietruszka, M., and Barnes, E.L.: Cystosarcoma Phyllodes: A Clinicopathologic Analysis of 42 Cases. *Cancer* 41: 1974-1983, 1978.
4. Pietruszka, M., Salazar, H., Pena, C.: Malignant Meningioma – Ultra Structure and Observations on Histogenesis. *Journal of Pathology* 10: 169-173, 1978.
5. Myerowitz, R.L., Pietruszka, M., Barnes, E.L.: Hemangiosarcoma of the Breast. *Jama* 239:403, 1978.
6. Barnes, E.L., and Pietruszka, M.: Rhabdomyosarcoma Arising with a Cystosarcoma Phyllodes. Case Report & Review of the Literature. *American Journal of Surgical Pathology* @: 423-429, 1978.
7. Pietruszka, M., and Kessler, F.: Schweppner's Gland – Recent Advances. *Journal of Irreproducible Results*. 1978

8. Pietruszka, M. And Rabin, BS. : Abnormality of Spontaneous Lymphokine Synthesis by Lymphocytes of Patients with Connective Tissue Disorder. *Immunological Communications*, 1979; 8(2):203-211.
9. Pietruszka, M.: A Medical Guide for Travelers. The Immunization Center, Tarzana, California. 1982.
10. Pietruszka, M., and Lambert, P.: The Trimetric Secret: The Complete Program for Permanent Weight Loss and a Healthier Lifestyle. 1986
11. Pietruszka, M., and Lambert, P.: EL Secreto Trimetrico (Spanish Translation of Above Text) 1989.
12. Pietruszka, M.: Cuidados Durante El Embarazo, La Infancia y La Ninez. Quail Valley Publications, 1991.
13. Pietruszka, M. Medical/Health Concerns of the Hispanic published in "The Hispanic Childbearing Family: Culture and Language" Presbyterian Hospital, 1993.
14. Pietruszka, M.: Guia Sobre El Control De Peso. Quail Valley Publications, 1996.
15. Pietruszka, M.: Nuevos Conceptos Sobre La Nutricion. Quail Valley Publications, 1996.
16. Pietruszka, M.: Trim Naturally: A Complete Guide for Permanent Weight Loss. Quail Valley Publications, 1997.
17. Naiem S, Huo YK, Darvish BK, Pietruszka M, Darvish Daniel. Genotype-Phenotype Correlation of Autosomal Recessive Inclusion Body Myopathy (IBM2) (Abstract Poster Session) 53<sup>rd</sup> Annual Meeting of the American Society of Human Genetics, Nov 2003, Los Angeles.
18. Pietruszka M. Biochemical Mechanisms in Toxic Cell Injury (Thesis), University of Florida, July 2004.
19. Pietruszka M, Schaffer M, Chao O, Hill V. Measurement of Nicotine and Cotinine in Hair of Children and Adults by GC/MS/MS. Society of Forensic Toxicologist Annual Meeting, October 2005 Nashville, Tennessee (Abstract)
20. Pietruszka M, Valles-Ayoub Y, Saechao C, Haghighatgoo A, Neshat MS, Darvish D. Validation of GNE:p.M712T Identification by Melting Curve Analysis. *Genet Test*. 2008 Spring; 12(1): 101-9. PMID: 18373408
21. Haghighatgoo A, Valles-Ayoub Y, Saechao C, Esfandiarifard S, Martinez S, Pietruszka M, Darvish D. Prevalence of the MTHFR C677T Polymorphism in patients of Middle Eastern descent (ASHG conference, Philadelphia, 2008).
22. Pietruszka M. Measurements of Nicotine and Cotinine by GC/MS/MS in Hair of Adults and Children with Respiratory Disease Thesis, Royal Melbourne Institute of Technology, School of Medicine, December 2008.
23. Valles-Ayoub Y, Martinez S, Haghighatgoo A, Shah I, Saechao C, Khokher, S. Esfandiarifard S, Riley CJ, Pietruszka M, Darvish D. Development and functional analysis of wildtype and R266Q GNE expression plasmids (12<sup>th</sup> Annual American Society of Gene Therapy Conference, San Diego, CA 05/09)
24. Haghighatgoo A, Valles-Ayoub Y, Saechao C, Esfandiarifard S, Martinez S, Pietruszka M, Darvish D. MTHFR C677T Genotype Frequency in Patients of Middle Eastern Descent as Determined by Real-Time PCR and Melting Curve Analysis. *Genet Test Mol Biomarkers*. 2009 Jul 13.

25. Pietruszka M, Valles-Ayoub Y, Saechao C, Khoker Z, No D, Shook S, Haghighatgoo A, Jay C, Darvish D. Novel GNE Mutations in Hereditary Inclusion Body Myopathy Patients of Non-Middle Eastern Descent. *Mol Biomarkers*. 2010 Jan 10.
26. Pietruszka M, Valles-Ayoub Y, Esfandiarifard S, Sinai P, Carbajo R, Khoker Z, No D., Darvish B., Kakkis E, Darvish D. Serum Neural Cell Adhesion Molecule (NCAM) is Hyposialylated in Hereditary Inclusion Body Myopathy (HIBM); ASGCT – Gene & Cell Therapy Conference, 2011.
27. Pietruszka M, Daldalyan K, Schaffer M, Hill V, Measurements of nicotine and cotinine by GC/MS/MS in hair of adults and children (submitted for publication)
28. Pietruszka M, Valles-Ayoub Y, Daldalyan K, Journal of Genetics and Cell Biology, Impact of CYP2D6 Ultra Rapid Metabolism on therapeutic drug efficacy in Type 2 Diabetic Patients, pg 174-179, Published August 19, 2020

## **PRESENTATIONS:**

1. Valles-Ayoub Y, Saechao C, Haghighatgoo A, Neshat MS, Pietruszka M, Darvish D. Validation of GNE:pM712T Identification by Melting Curve Analysis. Poster #126. American Society of Human Genetics (ASHG), 2007 Annual Meeting, San Diego, CA.
2. Haghighatgoo A, Valles-Ayoub Y, Saechao C, Esfandiarifard S, Martinez S, Pietruszka M, Darvish D. Prevalence of the MTHFR C677T polymorphism in patients of Middle Eastern descent. (1579) (10:30AM – 12:30PM on Fri). American Society of Human Genetics, 58<sup>th</sup> Annual Meeting, Philadelphia, PA, Nov 11-15, 2008.
3. Pietruszka M, Saechao C, Valles-Ayoub Y, Haghighatgoo A, Esfandiarifard S, Martinez S, Darvish D. Novel GNE mutations in patients of non-Middle Eastern descent with autosomal recessive hereditary inclusion body myopathy. (1457) (4:30PM-6:30PM on Wed). American Society of Human Genetics, 58<sup>th</sup> Annual Meeting, Philadelphia, PA, Nov 11-15, 2008.
4. Valles-Ayoub Y, Saechao C, Haghighatgoo A, Khokher Z, No D, Martinez SL, Shah I, Esfandiarifard S, Riley-Portuges AC, Jay C, Pietruszka M, Darvish D. Development and functional analysis of wildtype and R266Q GNE expression plasmids.(545) (1:00PM-2:00PM on Wed). American Society of Human Genetics, 59<sup>th</sup> Annual Meeting, Honolulu, HI, Oct 20-24, 2009.
5. Valles-Ayoub Y, Saechao C, Haghighatgoo A, Khokher Z, No D, Martinez SL, Shah I, Esfandiarifard S, Riley-Portuges AC, Jay C, Pietruszka M, Darvish D. Improved colorimetric (TBA) sialic acid assay validated by GNE transduction of Gne-null Lec3 CHO cells. (360) (2:00PM-3:00PM on Wed). American Society of Human Genetics, 59<sup>th</sup> Annual Meeting, Honolulu, HI, Oct 20-24, 2009.
6. Valles-Ayoub Y, Saechao C, Haghighatgoo A, Khokher Z, No D, Martinez SL, Shah I, Esfandiarifard S, Riley-Portuges AC, Jay C, Pietruszka M, Darvish D. Improved Colorimetric (TBA) Sialic Acid Assay Validated by GNE Transduction of Gne-null Lec3 CHO cells. Glyco 2009 Session: Glycobiology of Disease – Poster Session I-F. San Diego, CA, Nov 12-15, 2009.

7. Carbajo R, Valles-Ayoub Y, No D, Khokher Z, Sandoval L, Sagoo S, Darvish B, Pietruszka M, Darvish D. Novel GNE Mutations in Patients with Autosomal Recessive Hereditary Inclusion Body Myopathy, American Society of Gene and Cell Therapy, Philadelphia May 2012.
8. No D, Valles-Ayoub Y...Darvish B, Pietruszka M, Genetic Testing and Molecular Biomarkers, Novel GNE Mutations in Autosomal Recessive Hereditary Inclusion Body Myopathy Patients, Vol. 17, pgs 376-82, May 2013

## **USC KECK SCHOOL OF MEDICINE**

### **2006/2007/2008/2009/2010 TEACHING SCHEDULE:**

December 2005: Laboratory Manifestations of Cancer; Parathyroid and Bone Pathology, Ovary, Testis, Uterine tumors

January 2006: Disease of the Breast

February 2006: Colon Cancer & Inflammatory Bowel Disease, Diseases of the Liver

August 2006: Diseases of the Endocardium and Cardiac Valves  
Diseases of Myocardium and Pericardium

September 2006: Nephrotic/Nephritic Syndrome

October 2006: Obstructive Uropathy and Cystic Disease  
Neoplasms of the Urinary Tract  
Respiratory/ Infections of the Lung  
Respiratory/AIDS

November 2006: Interstitial Lung Disease  
Abnormalities of Blood Supply  
Neoplasia

December 2006: Pathology of the Adrenal Gland  
Pathology of the Thyroid Gland

February 2007: Inflammatory Bowel Disease

May 2007: Non-Neoplastic Disease of Bones and Joints  
Tumors of Mesenchymal Origin

August 2007: Diseases of the Endocardium and Cardiac Valves

October 2007: Chronic Obstructive Pulmonary Disease  
Introduction to Pathology

November 2007: Tissue Injury and Inflammation  
Inflammation and Healing  
Laboratory Manifestations of Cancer

December 2007 through October 2008: Research

November 2008: Pathology of the Pancreas  
Pathology of the Adrenal Gland

November 2009: Islets of Langerhans  
Pathology of the Adrenal Gland

December 2009: Pathology of the Pituitary Gland

May 2010: Tumors of Mesenchymal Origin  
Non-Neoplastic Diseases of Bone and Joints

September 2010: Nephrotic & Nephritic Syndromes

October 2010: Cancer of the Lung  
 November 2010: Infections of the Lung  
 February 2011: Diseases of the Exocrine Pancreas  
 September 2011: Nephrotic/Nephritic Syndrome  
 Obstructive Uropathy/Tubulointerstitial Diseases  
 December 2011: Laboratory Manifestations of Cancer  
 May 2012: Tumors and Mesenchymal Origin  
 Non-neoplastic Diseases of Bone and Joints  
 August 2012: Diseases of Myocardium and Pericardium  
 October 2012: Pathology of Obstructive Uropathy & Cystic Disease  
 October 2012: Clinical/Path Features of Neoplasms of Urinary Tract System  
 October 2012: Chronic Obstructive Pulmonary Disease  
 November 2012: Neoplasia  
 November 2012: Islets of Langerhans  
 October 2013: Chronic Obstructive Lung Disease  
 October 2013: Interstitial Lung Disease  
 October 2013: Lung Cancer  
 October 2013: Infections of the Lung  
 November 2013: ENT Pathology  
 November 2013: Neoplasia  
 February 2014: Pathology of the Esophagus & Stomach  
 March 2014: Pathology of the Exocrine Pancreas  
 May 2014: Musculoskeletal Tumors of Mesenchymal Origin  
 May 2014: Non-Neoplastic Diseases of Bones, Joints and Connective  
 Tissue  
 August 2014: Disease of Blood Vessels  
 August 2014: Diseases of Endocardium and Cardiac Valves  
 October 2014: Interstitial Lung Disease  
 October 2014: Pathology of Chronic Obstructive Pulmonary Disease  
 November 2014: Infections of the Lung  
 November 2014: Ear, Nose and Throat Pathology I  
 December 2014: Pathology of the Pituitary  
 January 2015: Pathology of the Exocrine Pancreas  
 August 2015: Disease of the Endocardiac and Cardiac Valves  
 October 2015: Interstitial Lung Disease  
 October 2015: Infections of the Lungs  
 December 2015: Non-neoplastic Disease of Bones and Joints  
 January 2016: Pathology of the Exocrine Pancreas  
 February 2016: Adrenal Pathology  
 November 2016: Sections of the Lung  
 November 2016: Interstitial Lung Disease  
 November 2016: Ear, Nose, and Throat Pathology  
 December 2016: Mesenchymal Tumors

December 2016: Non-Neoplastic Diseases of Bones, Joints and Connective Tissue  
January 2017: Inflammatory Bowel Disease  
January 2017: Pathology of Exocrine Disease  
October 2017: Interstitial Lung Disease  
October 2017: Infections of the Lungs  
October 2017: Lung Cancer  
October 2018: Pathology of the Ear, Oral, Cavity and Nose  
October 2018: Pathology of the Larynx and Salivary Glands  
November 2018: The Abnormalities of Blood Supply  
October 2019: Ear, Oral Cavity and Throat Pathology I & II  
October 2019: Pathology of Salivary Gland