

CURRICULUM VITAE

Patrick J. Clark

Home Address: 348 Oak Forest Drive
Highland Village, TX 75067
214.673.9542, telephone

Academic Background

Secondary Education:	Baylor University	Texas State Technical College
	Waco, Texas (1972-76)	Waco, Texas (1987-88)
	Business	Laser Electro-Optics
	No degree earned	Associates of Applied Science
	Currently in Doctoral program at University of Wales.	
	Completion anticipated for fall 2003.	

Medical Background

2003 **President,**
Medical Laser Dynamics
Highland Village, Texas
Revitalization of MLD, founded in 1989, for education and consultation in light-based clinical therapies. In response to a August 2003 mandate from the Texas State Board of Medical Examiners MLD offers certified educational programs for all medical professional levels utilizing light-based devices for both aesthetic and surgical applications. MLD continues to work closely with US laser manufacturers in the development of new devices, procedures, and protocols.

2001 – 2/2003 **Vice President, Clinical Affairs, United States**
ICN Medical Alliance, Inc.
Irving, Texas
Vice President of Clinical Affairs for aesthetic lasers focused on NLite, CoolTouch, and Varia models. Others include various pulsed dye, carbon dioxide, Nd: YAG, Alexandrite, and frequency doubled Nd: YAG lasers. Duties also include other ancillary medical laser quality assurance and physician credentialing affairs from the acquired company, ICN Medical Alliance, Inc. Most duties are continued from description below. New duties include the coordination and development of clinical affairs and physician relations/education for the NLite and other aesthetic lasers. Initially was the Product Manager for the NLite product world-wide at introduction in November 2000. Production and technical management duties delegated to focus on education and product development. Industry representative for ANSI Z136.3 safety review and modification board.

- 1998 - 2001 ***Vice President, Quality Assurance / Product/Clinical Development***
Medical Alliance, Incorporated
Irving, Texas
Direct Quality Assurance and new Product Development for the largest Office Based Surgery Company in the United States. Coordinate and/or perform clinical/technical education for Physicians, Para-medical/Nursing, and MAI employees. Oversee Physician Credential review and Privileging processes for 3,000+ physicians in the 42 states served by Medical Alliance. Direct interaction and review by JCAHO and other regulatory agencies. Direct new product development for office based and outpatient facilities including both surgical and aesthetic applications. Acted as primary clinical/technical resource for over 1,000 physicians nationwide.
- 1992 - 1999 ***Laser Program Director /Laser Safety Officer***
University of Texas Southwestern Medical Center at Dallas
Dallas, Texas
Coordinate evaluation, purchase, maintenance, repair, documentation, registration, utilization, disposal, administration of, and medical staff education and privilege/Credentialing for medical lasers and lasers utilized for medical research (117 total) at UTSMCD (Children's Medical Center, Parkland Memorial Hospital, St Paul Hospital, Veteran's Affairs Medical Center-Dallas, and Zale-Lipshy University Hospital). Authored laser policy and procedure, credentialing, privileging, and education guidelines for campus laser use areas. Appointed Clinical Instructor for the Department of Surgery and Department of Plastic Surgery, UTSMCD, 1 June 1994. Clinical Instructor position held in Plastic Surgery until November 2002 when Mr. Clark resigned due to professional time constraints. Mr. Clark is still Clinical Instructor for General Surgery to date.
- 1997 - 1998 ***Laser Research and Development***
Rejuvenation Technology Incorporated/ EpiCentre
Dallas, Texas
Coordinate technical development of and clinical training for aesthetic lasers and procedures. Conduct clinical and technical research of medical lasers, therapeutic light sources, and accessories. Cooperate with clinical development and education for clinical laser manufacturers. Center Director for EpiCentre - Landry. Operating partner for Epicentre - Landry. Goal was to develop model for national franchise.
- 1989 - date ***President***
Medical Laser Dynamics
Dallas, Texas

Medical professional and allied health education and consulting in the concepts and practices of laser medicine and its application.

1990 - 1992 ***Laser Technologist***

CB Laser Associates, Inc.

Camp Hill, Pennsylvania

Responsible for all laser and video-endoscopic equipment. Coordinator and faculty for general surgery and gynecologic video abdominal endoscopy courses for domestic and foreign physicians. Coordinated laser programs for SCA Outpatient Surgery Centers throughout United States (43 centers).

1988 - 1990 ***Laser Safety Officer***

The University of North Carolina Hospitals at Chapel Hill

Chapel Hill, North Carolina

Responsible for the administration and operation of 14 medical lasers in sixteen operating rooms and three outpatient clinics. Authored laser Policy and procedure for facilities. Responsible for administration of education for all laser-involved physicians and personnel. Directed Resident laser education for nine medical specialties.

Courses/Preceptorships given (partial)

1. Director, **Laser Fundamentals and Surgical Applications in the Surgical Setting**, The North Carolina Memorial Hospital, University of North Carolina, Chapel Hill, NC, Twice weekly, May-June 1989
2. Director/Faculty, Evaluation and application of laser, an open consultation and inservice for Bladen County Hospital, Elizabethtown, NC, 12 February 1990
3. Faculty/Coordinator, **Laser Laparoscopic Technique**, a Preceptorship for Dr. James Pinto and staff, Grandview Surgery and Laser Center, Camp Hill, PA, 15-16 June 1990
4. Director, **Lasers in Medicine, a Nursing Inservice**, Lancaster Surgery Center, Lancaster, PA, 4 August 1990
5. Faculty, **Laser Laparoscopic Cholecystectomy**, Houston Laser Institute, Houston, TX, 19-20 October 1990
6. Director/Faculty, **Use of the Nd:YAG contact Laser**, an open consultation and inservice for Bladen County Hospital, Elizabethtown, NC, 3-4 November 1990
7. Faculty/Coordinator, **Laser Laparoscopic Cholecystectomy**, Houston Laser Institute, Philadelphia College of Medicine, Philadelphia, PA, 10-11 November 1990
8. Director/Faculty, **Laparoscopic Cholecystectomy**, preceptorship and inservice for Soldiers and Sailors Hospital and David Cahill, MD, Wellsboro, PA, 15-16 November 1990
9. Director, **Laser Safety Officer Course**, Harrisburg Hospital, Harrisburg, PA, 16-17 May 1991
10. Faculty/Coordinator, **Laser Laparoscopic Cholecystectomy**, Ethicon, Inc., Grandview Surgery and Laser Center, Camp Hill, PA, 19-20 April 1991
11. Faculty/Coordinator, **Laser Laparoscopic Cholecystectomy**, Cooper Hospital, Camden, NJ, 4-5 May 1991
12. Faculty/Coordinator, **Laser Laparoscopic Cholecystectomy**, Ethicon, Inc., Grandview Surgery and Laser Center, Camp Hill, PA, 24-25 May 1991

13. Faculty/Coordinator, **Laser Laparoscopic Cholecystectomy**, Ethicon, Inc., Grandview Surgery and Laser Center, Camp Hill, PA, 21-22 June 1991
14. Faculty/Coordinator, **Laser Laparoscopic Cholecystectomy**, Ethicon, Inc., Grandview Surgery and Laser Center, Camp Hill, PA, 26-27 July 1991
15. Director, Preceptorship for Dr. JC Cunha, Abdominal Videoendoscopy, Thomas Jefferson Hospital, Philadelphia, PA, 28-29 July 1991
16. Director, **Laser Theory, Safety, and Application**, St. Francis Xavier Hospital, Charleston, SC, 2-3 August 1991
17. Director, **Lasers in Medicine, a Nursing Inservice**, Lancaster Surgery Center, Lancaster, PA, 10 August 1991
18. Director/Faculty, **Laser Laparoscopic Cholecystectomy**, Bladen County Hospital, Elizabethtown, NC, 22-23 August 1991
19. Faculty/Coordinator, **Laser Laparoscopic Cholecystectomy**, Ethicon, Inc., Grandview Surgery and Laser Center, Camp Hill, PA, 20-21 September 1991
20. Faculty/Coordinator, **Laser Laparoscopic Cholecystectomy**, Ethicon, Inc., Grandview Surgery and Laser Center, Camp Hill, PA, 20-21 September 1991
21. Director, Preceptorship for Dr. LS Leonardi, **Abdominal Videoendoscopy**, Thomas Jefferson Hospital, Philadelphia, PA, 22-23 September 1991
22. Director, **Laser Theory, Safety, and Application**, William Beaumont Hospital, Troy MI, 14-16 November 1991
23. Faculty, **Diagnosis and Management of Lower Genital Tract and Intraepithelial Neoplasia**, UT Southwestern Medical Center, Dallas, TX, 18-19 June 1992
24. Faculty, **Cutaneous Laser Photocoagulation and Sclerotherapy Update**, UT Southwestern Medical School, Dallas, TX, 24-25 October 1992
25. Director, **Lasers in Medicine, A Nursing short course**, Surgery Center of Grand Prairie, Grand Prairie, TX, 5-6 November 1992
26. Faculty/Coordinator, **Surgilase Solid State Laser Training**, Domestic and International Sales Force, Baptist Hospital, Nashville, TN, 10-12 July 1993
27. Faculty, **Lasers in Gynecology**, UT Southwestern Medical School, Department of Obstetrics and Gynecology, Dallas, TX, 5-6 March 1993
28. Director, **Lasers in Medicine, A Guide to Lasers and Nursing Issues**, Zale Lipshy University Hospital, Dallas, TX, 20 March 1993
29. Director, **Laser in Medicine, A Guide to Lasers and Nursing Issues**, Parkland Memorial Hospital, Dallas, TX, 26 June 1993
30. Faculty, **Office Surgery with the CO₂ Laser**, Houstonian Hotel with Day Surgical, Houston, TX, 25-26 August 1993
31. Director, **Lasers in Medicine, A short course for the Texas Department of Radiation Safety**, UT Southwestern Medical School, Dallas, TX, 14 December 1993
32. Faculty, **SLT Laser in Surgery, A nursing short course**, Category II credits, Southwest Texas Methodist Hospital, San Antonio, TX, 24-25 March, 1994
33. Director, **Lasers In Medicine, A Guide to Lasers and Nursing Issues**, Abilene Regional Medical Center, Abilene, Texas, 16-17 May 1994
34. Director, **Pulsed Dye Lasers in Plastic Surgery and Dermatology**, Texas Children's Hospital, Houston, TX, 7-8 June 1994

35. Director, **Lasers In Medicine, A Guide to Lasers and Nursing Issues**, Parkland Memorial Hospital, Dallas, Texas 11 June 1994
36. Faculty, **Laparoscopy Assisted Laser Uvulo-Palatoplasty**, Tampa General Hospital, Tampa, FL, 24 June 1994
37. Director, **Lasers In Medicine, A Guide to Lasers and Nursing Issues**, Midway Park Medical Center, Lancaster, TX, 25 June 1994
38. Faculty, **Laparoscopy Assisted Laser Uvulo-Palatoplasty**, Fairfax, VA, 23 July 1994
39. Faculty, **Diagnosis and Management of Lower Genital Tract and Intraepithelial Neoplasia**, UT Southwestern Medical Center, Dallas, TX, 25-26 August 1994
40. Faculty, **Lasers at Arthroscopy**, UT Southwestern Medical School, Dallas, Texas, 28 October 1994
41. Director, **Lasers in Nursing**, Northeast Community Hospital, Bedford, Texas, 12 November 1994
42. Director, **Lasers in Medicine**, Memorial Medical of East Texas, Lufkin, Texas, Physicians Course, 18 November 1994, Nurses course, 19 November 1994
43. Director, **Lasers in Medicine**, Mesquite Community Hospital, Mesquite, Texas, 14 January 1995
44. Director, **Lasers in Medicine**, Columbia Arlington Medical Center, MEDIQ PRN/SLT, Arlington, TX, 18 February 1995
45. Faculty, **Urological Techniques with the Nd:YAG Laser**, CIRCON ACMI, George Washington University, Washington DC, 24 February 1995
46. Faculty, **Urological Techniques with the Nd:YAG Laser**, CIRCON ACMI, Baylor Medical Center, Dallas, TX, 3 March 1995
47. Faculty, **Urological Techniques with the Nd:YAG Laser**, Sierra Medical Center, El Paso, TX, 4 March 1995
48. Director, **Lasers in Medicine**, Longview Ambulatory Surgery Center, Longview, TX, 25 March 1995
49. Director, **Lasers in Medicine**, Dallas Day Surgery Center, Dallas, TX, 20 April 1995
50. Director, **Lasers in Medicine**, Jim Gilmore, MD and Associates, Dallas, TX, 7 July 1995
51. Faculty, **Laser in Plastic Surgery and Dermatology**, UT Southwestern Medical School, Dallas, TX, 8-10 May 1995
52. Faculty, **Endoscopic Surgery, Laser Resurfacing**, UT Southwestern Medical Center at Dallas, Dallas, Texas, 18-20 August 1995
53. Faculty, **Laser Arthroscopy**, Harris Methodist Fort Worth, Fort Worth, Texas, 26 August 1995
54. Director, **Lasers in Medicine**, Texarkana Surgery Center, Texarkana, TX, 1 September 1995
55. Faculty, **Laser Tissue Resurfacing**, FutureMed, Inc., Plano, Texas 26 September 1995
56. Director, **Lasers in Medicine**, Trinity Valley Medical Center, Palestine, TX, 14 October 1995
57. Faculty, **Laser Tissue Resurfacing**, FutureMed, Inc., Plano, Texas 21 October 1995
58. Director, **Krypton Lasers in Dermatology**, HGM Lasers, Jim Gilmore, MD and Associates, Dallas, TX, 21 October 1995
59. Director, **Lasers in Medicine**, Hendrick Memorial Medical Center, Abilene, TX, 17 November 1995

Invited Lectures and Presentations (partial)

1. **Safety with Medical Lasers**, Dermatology Grand Rounds, University of Texas Southwestern Medical Center, St. Paul Hospital, Dallas, TX, 21 January 1993
2. **Alexandrite Laser Lithotripsy**, American Society for Laser Medicine and Surgery, Inc., New Orleans, LA, 19 April 1993
3. **Laser Safety and Application**, Grand Prairie Surgery Center, Grand Prairie, TX, 13-14 May 1993

4. **Alexandrite Laser Lithotripsy**, American Urological Association, Inc., San Antonio, TX, 18 May 1993
5. **Neodymium YAG Lasers in Urology**, film and lecture, American Urological Association, Inc., San Antonio, TX, 19 May 1993
6. **The Future of Laser Technicians in Medicine**, Texas State Technical College, Waco, TX, 16 August 1993
7. **Laser Safety in the Medical Setting**, University of Texas System, Radiation Safety Advisory Group, Wyndham Hotel, San Antonio, TX, 10 January 1994
8. **Alexandrite Laser Lithotripsy**, Biomedical Optics '94, SPIE - The International Society for Optical Engineering, Los Angeles, CA, 23 January 1994
9. **Lasers in Medicine and Biomedical Applications**, UTSMCD STARS Program, Garland High School Biology II students, UT Southwestern Medical School, Dallas, TX, 27 January 1994.
10. **Multihospital Utilization of Laser Safety Officer**, American Society for Laser Medicine and Surgery, Inc., Toronto, Canada, 8 April 1994
11. **Biomedical Laser Technology: A New Technical Curriculum**, American Society for Laser Medicine and Surgery, Inc., Toronto, Canada, 9 April 1994
12. **Alexandrite Laser Lithotripsy**, Film and lecture, American Urological Association, Inc., San Francisco, CA, 14 May 1994
13. **Safety with Medical Lasers**, Dermatology Grand Rounds, University of Texas Southwestern Medical Center, UTSMCD, Dallas, TX, 16 June 1994
14. **Lasers In Medicine**, for the X-Ray and non ionizing Inspection and Enforcement branch, Bureau of Radiation Control, Texas Department of Health, San Antonio, Texas, 21 September 1994
15. **Lasers In Dermatology**, Texas Dermatological Society, Fall Meeting, McAllen, Texas, 14 October 1994
16. **Lasers in Medicine**, a Nursing Inservice, Columbia/HCA North Hills Hospital, North Richland Hills, Texas, 17 November 1994
17. **Carbon Dioxide Lasers - 1994/5**, A consultation with Heraeus LaserSonics, Milpitas, CA, 12 December 1994
18. ASLMS Nursing and Allied Health Pre-Conference, San Diego, CA, April 1995
19. **Lasers in Medicine**, Texas Association of Laser Dentistry, Arlington, Texas, 5 May 1995
20. **Lasers In Medicine**, Annual Meeting of the Conference for Radiation Control Program Directors, Inc, San Antonio, Texas, 11 May 1995
21. **Medical Laser Safety**, International Conference for Applications of Lasers and ElectroOptics, San Diego, CA, 11 November 1995

Publications

1. Dickson CT, Clark PJ, Preminger GM. Alexandrite Laser Lithotripsy: Basic and Clinical Studies. *Lasers in Surg and Med.* 1993, 5:65.
2. Clark, P, ed., Lasers in Surgery and Medicine, a Technician's Guide to Medical Lasers, an independent publication for the Texas State Technical College System, Harrisburg, PA, 1990
3. Clark P., ed., Lasers in Surgery and Medicine, a Technician's Guide to Medical Lasers, Austin, Texas, University of Texas Press. (In Preparation)
4. Morningstar L., Clark P., Ball K., "High competency demanded as laser tech's roles expand". *Clinical Laser Monthly*, American Health Consultants, Atlanta, GA, March 1994.
5. Morningstar L, Clark P., "Consolidating laser programs with a shared LSO saves five-hospital system \$750,000". *Clinical Laser Monthly*, American Health Consultants, Atlanta, GA, March 1994.

6. Morningstar L, Clark P., "Biomedical laser technician emerges as a new profession". Clinical Laser Monthly, American Health Consultants, Atlanta, GA, March 1994.
7. Morningstar L, Clark P., Handren R., "LSO organizations move toward certification". Clinical Laser Monthly, American Health Consultants, Atlanta, GA, April 1994.
8. Patterson P., Clark P., "Group of hospitals relies on single laser safety officer", OR Manager, Boulder, CO, July 1994
9. Morningstar L., Clark P., et al, "Laser Program Leaders work to relieve physician credentialing headaches". Clinical Laser Monthly, American Health Consultants, Atlanta, GA, August 1994
10. Klesty K., Clark P., et al, 1995 Salary Survey for lasers in medicine, American Health Consultants, Atlanta, GA, October 1995

Protocols Assisted/Coordinated

1. Argon Laser in the Pediatric Airway, UNC, Chapel Hill, NC, 1988
2. Photodynamic Therapy, Esophageal protocol, UNC, Chapel Hill, NC, 1988
3. Photodynamic Therapy, Bladder protocol, UNC, Chapel Hill, NC, 1989
4. Photodynamic Therapy, Basal Tumor investigation, UNC, Chapel Hill, NC, 1989
5. Outpatient Video-laser Laparoscopic Cholecystectomy, Surgical Care Affiliates/BCBS Pennsylvania, Camp Hill, PA, 1990
6. Outpatient Video-laser Laparoscopic Appendectomy, Surgical Care Affiliates/BCBS Pennsylvania, Camp Hill, PA, 1990
7. Outpatient Video-laser Laparoscopically Assisted Vaginal Hysterectomy, Surgical Care Affiliates/BCBS Pennsylvania, Camp Hill, PA, 1991
8. Outpatient Video-laser Laparoscopic Hernia Repair, Surgical Care Affiliates/Ethicon, Inc., Camp Hill, PA, 1991
9. Intracorporeal Alexandrite Laser Lithotripsy (Ureteral Calculi), Urology/Laser Photonics, Inc., UTSMCD, Dallas, TX, 1993
10. Argon Laser in the Pediatric Airway, UNC, Chapel Hill, NC, 1988
11. Photodynamic Therapy, Esophageal protocol, UNC, Chapel Hill, NC, 1988
12. Photodynamic Therapy, Bladder protocol, UNC, Chapel Hill, NC, 1989
13. Photodynamic Therapy, Basal Tumor investigation, UNC, Chapel Hill, NC, 1989
14. Outpatient Video-laser Laparoscopic Cholecystectomy, Surgical Care Affiliates/BCBS Pennsylvania, Camp Hill, PA, 1990
15. Outpatient Video-laser Laparoscopic Appendectomy, Surgical Care Affiliates/BCBS Pennsylvania, Camp Hill, PA, 1990
16. Outpatient Video-laser Laparoscopically Assisted Vaginal Hysterectomy, Surgical Care Affiliates/BCBS Pennsylvania, Camp Hill, PA, 1991
17. Outpatient Video-laser Laparoscopic Hernia Repair, Surgical Care Affiliates/Ethicon, Inc., Camp Hill, PA, 1991
18. Intracorporeal Alexandrite Laser Lithotripsy (Ureteral Calculi), Urology/Laser Photonics, Inc., UTSMCD, Dallas, TX, 1993
19. Laser Dermatologic application for the Paragon laser, Heraeus LaserSonics, UTSMCD-Dallas, Dallas, TX, 1994-5

20. Dermatologic application of the OptoMed mercury vapor Unilaser, Plastics and Dermatology, UTSMCD-Dallas, 1995

Education/Courses attended

1. Medical Laser Safety Officer, Laser Institute of America, Cincinnati, OH, October 1988
2. Technical training, Carbon Dioxide product line, Sharplan Lasers, Allendale, NJ, 1988
3. Technical training, Nd:YAG product line, Cooper LaserSonics, Palo Alto, CA, 1988
4. Technical training, product line, Surgilase, Inc., Warwick, RI, 1988
5. Technical training, product line, Surgical Laser Technologies, Inc., Erlanger, KY, 1988
6. Technical training, Carbon Dioxide product line, Coherent, Inc, 1989
7. Lasers in Endoscopy, Postgraduate Course V, American Association of Gynecologic Endoscopist, Orlando, FL, 15 November 1990
8. International Congress of Gynecologic Endoscopy, 19th Annual Meeting, Orlando, FL, 16-18 November 1990
9. Biomedical Support and Service of Surgical Laser Systems, Association for the Advancement of Biomedical Instrumentation, Dallas, TX, 18-19 September 1992
10. NaturaLase, Laser tissue Resurfacing, Coherent Ultra Pulse laser, Dallas, TX, 12 May 1994
11. The KTP/532 and Nd:YAG Lasers for Urologic Applications, Laserscope, Inc., Dallas, TX, 18 June 1994
12. Aesthetic Laser Surgery (Laser Resurfacing), Coherent Medical Group, Dallas, Texas, 27 August 1994

Other

Member, Laser Institute of America, 1987 - date.

Member, American Society for Laser Medicine and Surgery, 1988 - date.

Member, BIOS - Biomedical Optics Society, 1988 - date.

Member, SPIE - International Society for Optical Engineering, 1988 - date.

Founding member, Medical Laser Safety Officer Society, 1989.

Acting Director, Medical Laser Safety Officer Society, 1994- date.

Member, Board of Advisors, Texas State Technical College, 1992 - date.

Member, Board of Director's, Texas State Technical College Alumni Association, 1994- date.

Advisor and mentor, Biomedical Laser Technology, Texas State Technical College System, 1993.

Founding Member, Texas Laser Advisory Group, 1994.

Recipient, First 'RISING STAR' Distinguished Alumni Award, TSTC Foundation, 1995.

President, Texas State Technical College Alumni Association, 1995 - date.

Charter member Texas Aesthetic Applications, 2000.

Member, ANSI Z136.3 National Committee, 2003.