

CURRICULUM VITAE

CRAIG A. VANDER KOLK, M.D.

DEMOGRAPHIC INFORMATION

Personal Data:

Business Address: Mercy Medical Center
The Weinberg Center for Women's Health &
Medicine
227 St. Paul Place
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Education and Training

College: Hope College
Holland, MI, 1972 - 1976, B.A.

Medical: University of Michigan School of Medicine
Ann Arbor, MI 1976 - 1980, M.D.

Residencies: General Surgery
University of Michigan Medical Center
Ann Arbor, MI 1980 - 1983
Plastic and Reconstructive Surgery
University of Michigan Medical Center
Ann Arbor, MI 1983 - 84, 1985-1986

Fellowships: Hand and Microvascular Surgery,
Microsurgery Research Unit,
St. Vincent's Hospital
Melbourne, Australia 1984 - 1985
Craniofacial Surgery,
University of Pennsylvania,
Children's Hospital of Philadelphia

Philadelphia, PA 1986 – 1987
Other: Business of Medicine
Johns Hopkins University
Baltimore, MD 1996 – 1998 Certificate

Current Appointments

University

July 2000 Program Director – Craniofacial Surgery
Residency
The Johns Hopkins University School of
Medicine
The University of Maryland – Shock
Trauma
Walter Reed Army Medical Center

July 1993 Professor of Surgery
The Johns Hopkins University School of
Medicine
Department of Surgery, Division of Plastic
Surgery
Department of Neurological Surgery
Department of Pediatrics

June 1988 Assistant Professor of Surgery
Division of Plastic Surgery, University of
Maryland

Hospital

September 2006 Active Staff, Mercy Medical Center,
Baltimore, MD

July 1987 Active Staff, The Johns Hopkins Hospital,
Baltimore, MD

January 1992 Director - The Johns Hopkins Cleft &
Craniofacial Clinic
Pediatric Plastic Surgery,
The Johns Hopkins Hospital

June 1995 Consultant – Craniofacial Deformities,
Walter Reed Army Medical Center

February 1988 Active Staff, James L. Kernan Hospital,
Baltimore, MD

June 1988 Director – Cleft Palate Diagnostic Program
James L. Kernan Hospital

Professional Experience

University

July 1993 Associate Professor of Surgery
The Johns Hopkins University
School of Medicine

<p>February 1991-93</p> <p>School of Medicine</p> <p>July 1987-1993</p> <p>Plastic Surgery</p> <p>School of Medicine</p>	<p>Department of Surgery, Division of Plastic Surgery</p> <p>Department of Neurological Surgery</p> <p>Department of Pediatrics</p> <p>Assistant Professor of Pediatrics</p> <p>The Johns Hopkins University</p> <p>Assistant Professor of Surgery - Division of</p> <p>The Johns Hopkins University</p>
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Hospital

<p>July 1987 - 1995</p> <p>Baltimore, MD</p> <p>July 1987 - 1997</p> <p>Baltimore, MD</p> <p>June 1988 - 1997</p> <p>MD</p> <p>Jan 1990 - 1998</p> <p>Center, Baltimore, MD</p>	<p>Active Staff, The Children's Hospital & Center for Reconstructive Surgery,</p> <p>Active Staff, The Maryland Institute for Emergency Medical Services,</p> <p>Active Staff, University Hospital University of Maryland, Baltimore,</p> <p>Active Staff, Francis Scott Key Medical</p>
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Other

<p>June 1989 - 1992</p> <p>July 1987 - January 92</p>	<p>Director - Children's Facial Rehabilitation Center</p> <p>The Children's Hospital & Center for Reconstructive Surgery</p> <p>Baltimore, MD</p> <p>Assistant Clinical Director -Plastic and Maxillofacial Surgery</p> <p>The Maryland Institute for Emergency Medical Services Systems</p>
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RESEARCH ACTIVITIES

Publications: Peer-Reviewed Scientific Articles

1. Argenta LC, **Vander Kolk CA**, Friedman RJ, Marks MW.
Refinements in reconstruction of congenital breast deformities. *Plast Reconstr Surg.* 1985; 76:73-.

2. O'Brien, B., Chen, C., and **Vander Kolk, C.**: Experimental microvascular transplantation of lymph glands to restore lymphatic function. Lymphology 18:118, 1985.
3. Knight, K.R., Collopy, P.A., Barton, R.M., **Vander Kolk, C.A.** and O'Brien, B. McC.: Biochemical monitoring of canine obstructive lymphedema. Progress in Lymphology. Eds J.R. Casley-Smith and N.B. Piller. Adelaide University Press, pp. 150-2, 1985.
4. **Vander Kolk C**, Argenta L. Tissue expansion in craniofacial surgery. Clinics in Plastic Surgery 1987; 14:143-153.
5. Stevenson T, Pollack R, Rohrich R, **Vander Kolk C**. The gluteus maximus musculocutaneous island flap: refinements in design and application. Plast Reconstr Surg. 1987; 79:761-768.
6. MacLeod A, Morrison W, McCann J, Thistlethwaite S, **Vander Kolk C**, Ryan, A. The free radial forearm flap with and without bone for closure of large palatal fistulae. Brit J Plast Surg. 1987; 40:391-395.
7. **Vander Kolk, C.**, McCann, J., Knight, K. and O'Brien, B.: Some further characteristics of expanded tissue. Clinics Plast Surg. 1987; 4:447-453.
8. Thornton J, Stevenson T, **Vander Kolk C**. Osteoradionecrosis of the olecranon: Treatment by radial forearm flap. Plast Reconstr Surg. 1987; 80:833-835.
9. **Vander Kolk, C.** and Whitaker, L.: Orbital reconstruction in hypertelorism. The Otolaryngology Clinics of N.A., 21:1, 1988.
10. Knight K, Collopy P, McCann J, **Vander Kolk C**, Coe S, Barton R, Chen H, O'Brien B. Protein, metabolism and fibrosis in experimental canine obstructive lymphedema. J Lab Clin Med. 1987; 110:558-566.
11. **Vander Kolk C**, McCann J, Mitchell G, O'Brien B. Changes in area and thickness in expanded axial pattern skin flaps in pigs. Brit J Plast Surg. 1988; 41:284-293.
12. McCann J, Mitchell GM, O'Brien McCB, **Vander Kolk C**. Comparative viability of expanded and unexpanded axial pattern skin flaps in pigs. Brit J Plast Surg. 1988; 41:294-297.
13. **Vander Kolk C**, Adson M, Stevenson T. The reverse latissimus dorsi muscle flap for closure of a meningomyelocele defect. Plast Reconstr Surg. 1988; 81:454-856.

14. Cameron DE, Reitz, BA, Carson BS, Long DM, Dufresne CR, **Vander Kolk CA**.
Separation of Craniopagus Siamese Twins using Cardiopulmonary Bypass and Hypothermic Circulatory Arrest. *J. Thoracic Cardiovasc Surg.* 1987; 98:961-967.
15. Markowitz B, Manson P, Sargent L, Yaremchuk M, **Vander Kolk C**, Glassman D. Nasoethmoid Orbital Fractures: A Classification System and Treatment Protocol Based on the Medial Canthal Tendon Bearing Bone Fragment. *Craniofacial Surgery* 1989; 3:123.
16. Glassman, R.D., Manson, P.N., Petty, P.M., **Vander Kolk, C.A.** and Iliff, N.: Techniques for Improved Visibility and Lid Protection. *J. Craniofacial Surg.* 1:69, 1990.
17. Manson, P., Glassman, D., **Vander Kolk, C.**, Petty, P., and Crawley, W.: Rigid Stabilization of Sagittal Fractures of the Maxilla and Palate. *Plast. Reconstr. Surg.* 85:771, 1990.
18. Knight KR, McCann JJ, **Vander Kolk CA**, Coe SA, McC. O'Brien B. The Redistribution of Collagen in Expanded Pig Skin. *Brit J Plast Surg.* 1990; 43:565-570.
19. Kelly K, Manson PN, **Vander Kolk C**, Markowitz B. Sequencing Treatment in Midface Fractures. *J. Craniofacial Surg.* 1990; 1:168-178.
20. Glassman RD, Manson PN, Iliff N, **Vander Kolk C**, Dufresne, C. Rigid Fixation of the Internal Orbital Fractures. *Plast Reconstr Surg.* 1990; 86:1103-1109.
21. Chung HK, Angel M, **Vander Kolk C**, Manson P. Effects of hypothermia and hyperbaric oxygen on preservation and the xanthine oxidase system in free flaps. *Surg. Forum* 1990; 43:643.
22. **Vander Kolk CA**, Zinreich SJ, Carson BS, Bryan N, Manson PN. An Interactive 3D-CT Surgical Localizer for Craniofacial Surgery. *Craniofacial Surgery* 1990; 4:25.
23. Markowitz BN, Manson PN, Sargent L, Yaremchuk MJ, **Vander Kolk C**. Management of the Medial Canthal Ligament in Nasoethmoidal Orbital Fracture. *Plast. Reconstr. Surg.* 1991; 87:843-853.

24. Perler, B.A., **Vander Kolk, C.A.**, Dufresne, C.R. and Williams, G.M.: Can Infected Prosthetic Grafts Be Salvaged With Rotational Muscle Flaps. *Surgery*. 1991; 110:30-34.
25. Francel TJ, **Vander Kolk CA**, Hoopes JE, Manson PN, Yaremchuk MJ. Microvascular Soft-Tissue Transplantation for Reconstruction of Acute Open Tibial Fractures: Timing of Coverage and Long-Term Results. *Plast Reconstr Surg* 1992; 89:478-487.
26. Francel TJ, **Vander Kolk CA**, Yaremchuk MJ. Locally Applied Hypothermia and Microvascular Muscle Flap Transfers. *Ann Plast Surg*. 1992; 28:246-251.
27. **Vander Kolk, C.A.**: Pediatric Facial Fractures. *Trauma Q*. 9(1);132, 1992.
28. Chung, H.K., Angel, M.F., **Vander Kolk, C.A.**, Im, M.J., and Manson, P.N.: Effects of hypothermia and hyperbaric oxygen preservation on the xanthine oxidase system in free flaps. *Surg Forum* 1992; 43:643.
29. Francel TJ, Manson PN, **Vander Kolk CA**. Local Muscle Flap in a Venous Hypertensive Environment. *Ann. Plast. Surg* 1992; 28:297-300.
30. **Vander Kolk C**, Zinreich J. Carson B, Manson PN. An Interactive 3D Surgical Localizer for Craniofacial Surgery. *Craniofacial Surgery* 1992; 5:97.
31. Evans, G.R.D., Lewis, V.L. Jr., Manson, P.N., Loomis, M., and **Vander Kolk, C.A.**: Hip Joint Communication with Pressure Sores: The Refractory Wound and the Role of Girdlestone Arthroplasty. *Plast Reconstr Surg*. 1993; 91:288-294.
32. **Vander Kolk, C.A.**, Carson, B.S., Robertson, B.C., and Manson, P.N.: The Occipital Bar and Internal Osteotomies in the Treatment of Lambdoidal Synostosis. *J. of Craniofacial Surg*. 4:112, 1993.
33. Zinreich JS, Tebo SA, Long DM, Brem H, Mattox D, Loury M, **Vander Kolk CA**, Koch WM, Kennedy DW, Bryan RN. Frameless Stereotaxic Integration of CT Imaging Data: Accuracy and Initial Appearance. *Radiology* 1993; 188:735-742.
34. Perler, B.A., **Vander Kolk, CA**, Manson, PN, and Williams G.M.: Rotational muscle flaps to treat localized prosthetic graft infection: Long-term follow-up. *J. Vascular Surg*. 18:3,358-365, 1993.

35. Im, M.J., Angel, M.F., **Vander Kolk, C.A.**, and Manson, P.N.: Microanalyses of enzymes and metabolites in ischemia/reperfusion-induced partial-thickness skin wounds. Wound Rep. Reg. 1:253, 1993.
36. Shin, M.S., Angel, M.F., Im, M.J., **Vander Kolk, C.A.**, and Manson, P.N.: Enhanced skin flap tolerance to secondary ischemia by lazaroid U74389F on skin flap tolerance to secondary ischemia. Surg Forum. 1993; 44:606.
37. Angel MF, Kang DY, Shin MS, Im MJ, **Vander Kolk CA**, Manson PN. The salutary effect of electrical stimulation on neovascularization in skin flaps. Surg. Forum 1993; 44:608.
38. Babovic S, Shin MS, Angel MF, Im MJ, **Vander Kolk CA**, Manson PN. Skin flap tolerance to secondary ischemia in diabetic rats. Surg Forum 1993; 44:667.
39. Im, M., Angel, M., **Vander Kolk, C.**, and Manson, P.: Prevention of post-ischemia increases in xanthine oxidase activities in rat skin by a sulfhydryl compound, 2-mercaptopropionylglycine. J. Invest. Dermatol. 100:41, 1993.
40. Babovic, S., Shin, M.S., Angel, M.F., Im, M.J., **Vander Kolk, C.A.** and Manson, P.N: Flap tolerance to ischemia in streptozotocin-induced diabetes mellitus. British J. Plast. Surg. 47:15, 1994.
41. Ringelman, P.R., **Vander Kolk, C.A.**, Cameron, D., Baumgartner, W.A. and Manson, P.N.: Long-Term Results of Flap Reconstruction in Median Sternotomy Wound Infections. Plast. and Reconstr. 93:208, 1994.
42. Im, M. Angel, A., **Vander Kolk, C.**, Manson, P.N.: The effect of 21-Amino steroid on Xanthine Oxidase and Glutathione Reductase Activities in Ischemic Skin. FASEB J. 8:A675, 1994.
43. **Vander Kolk, C.** and Beaty, T.: Etiopathogenesis of Craniofacial Anomalies, Clinics in Plast. Surg. 21: 1994 21:481, 1994.
44. **Vander Kolk, C.** and Carson, B.: Lambdoid Synostosis, Clinics in Plast. Surg. 21: 575, 1994.
45. Angel MF, Im MJ, Chung HK, **Vander Kolk CA.** Effects of combined cold and hyperbaric oxygen storage on free flap survival. Microsurgery 1994; 15:648-651.

46. **Vander Kolk, C.** Invited Discussion: Mask-Lifting in Orthomorphic facial correction of bilateral cleft palate patients. by Roddi and Krastinova-Lolav. *Ann Plast Surg.* 1994; 33:5.
47. Shin, M., Angel, M., Im, M., **Vander Kolk, C.**, and Manson, P.: Effects of non-glucocorticoid 21-amino steroid U74389F on skin flap survival after secondary ischemia. *Plast. Reconstr. Surg.* 94:661, 1994.
48. Li, X., Lewanda, A., Eluma, F., Jerald, H., Choi, H., Alozie, I., Proukakis, C., Talbot, Jr., C., **Vander Kolk, C.A.**, Bird L, Jones, M., Cunningham, M., Clarren, S., Pyeritz, R., Weissenbach, J., Jackson, C., Jabs, E. : Two Craniosynostotic Syndrome Loci, Crouzon and Jackson-Weiss, Map to Chromosome 10q23-q26. *Genomics.* 22:418-424, 1994.
49. Babovic L, Shin M, Angel M, Im M, **Vander Kolk C**, Manson P. Flap tolerance to ischemia in streptozotocin-induced diabetes mellitus. *Brit J Plast Surg.* 1994; 47:15-19.
50. **Vander Kolk C.** Commentary on Monoblock and Facial Bipartition Osteotomies. *J. Craniofacial Surg.* 1996; 7:251.
51. Clark, N., Bireley, B., Manson, P., Slezak, S., **Vander Kolk, C.**, Robertson, B., Crawley, W.: High-energy Ballistic and Avulsive Facial Injuries: Classification, Patterns, and an Algorithm for Primary Reconstruction. *Plast. Reconstr. Surg.* 98:584, 1996.
52. Li Y, Bickel KD, Im MJ, Hu L, Dellon AL, **Vander Kolk CA**, Manson P. Effects of Deferoxamine on Ischemia/Reperfusion Injury after Peripheral Nerve Compression. *Ann Plast Surg.* 1996; 36:365-369.
53. Atabey, A., Im, M., Akgur, F., **Vander Kolk, C.**, and Manson, P.: The effect of cobalt chloride on skin flap survival. *Brit. J. Plast. Surg.* 49:321, 1996.
54. Beall D. **Vander Kolk C.** Case Report: Giant Dorsal Neurofibroma in a Young Male. *Clin Radiol.* 1997; 52:958-960.
55. Maestri, N., Beaty, T., Hetmanski, J., Smith, A., Macintosh, I., Wyszynski, D., Liand, K., Duffy, D., and **Vander Kolk, C.A.**: Application of Transmission Disequilibrium Tests to Nonsyndromic Oral Cleft: Including Candidate Genes and Environmental Exposures in the Models. *Am. J. Med. Genet.* 73:337, 1997.

56. Mofid M, Thompson R, Pardo C, Manson P, **Vander Kolk C**. Biocompatibility of Fixation Material in the Brain. *Plast Reconstr Surg*. 1997; 100:14-20.
57. Winograd J, Im M, **Vander Kolk C**. Osteoblastic and Osteoclastic Activation in Coronal sutures Undergoing Fusion ex Vivo. *Plast Reconstr Surg*. 1997; 100:1103-1112.
58. Crawley W, Azman P, Clark N, Robertson B, Slezak S, **Vander Kolk C**, Manson P. The Edentulous LeFort Fracture. *J Craniofac Surg*. 1997; 8:298-307.
59. Winograd, J., Reilly, M., Roe, R., Lutz, J., Laughner, E., Xu, X., Hu, L., Asakura, T., **Vander Kolk, C.**, Strandberg, J., Semenza, G.: Perinatal Lethality and Multiple Craniofacial Malformations in MSX2 Transgenic Mice. *Human Molecular Genetics*. 6: 369, 1997.
60. Namnoum J, Hisley K, Graepel S, Hutchins G, **Vander Kolk C**. Three-dimensional Reconstruction of the Human Fetal Philtrum. *Ann Plast Surg*. 1997; 38:202-208.
61. Beaty T, Maestri N, Hetmanski J, Wyszynski D, **Vander Kolk C**, Simpson J, Macintosh I, Smith A, Zeiger J, Raymond G, Panny S, Tift C, Lewanda A, Christion C, Wulfsberg E. Testing for Interaction between Maternal Smoking and TGFA Genotype among Oral Cleft Cases Born in Maryland 1992-1996. *Am Cleft Pal - Craniofacial Journal*. 1997; 34:447-454.
62. Im M, Winograd J, Manson P, **Vander Kolk C**. Iron-Induced Rat Coronal Suture Fusion in Vitro: The Role of Redox Regulation. *J Craniofacial Surg*. 1997; 8:262-269.
63. Carson, B., James, C., **Vander Kolk, C.**, and Guarnieri, M.: Lamdoid Synostosis and Occipital Plagiocephaly: Clinical Decision Rules for Surgical Intervention. *Neurosurgical Focus*. 1:1, 1997.
64. Hendrickson M, Clark N, Manson P, Yaremchuk M, Robertson B, Slezak S, Crawley W, **Vander Kolk C**. Palatal Fractures: Classification, Patterns, and Treatment with Rigid Internal Fixation. *Plast Reconstr Surg*. 1998; 101:319-332.
65. Krosnick, T., **Vander Kolk, C.** and Solomon, R.: Posterior Occipital Plagiocephaly in Infants: Clinical Assessment and Treatment Options. *Phys. Assis. J*. 22:98, 1998.

66. Helfear M, Carson B, Gates J, Della-Lana D, **Vander Kolk C**. Increased Hematocrit and Decreased Transfusion Requirements in Children Given Erythropoietin before Undergoing Craniofacial Surgery. *J Neurosurg*. 1998; 88:704-708.
67. Wang BH, Ye C, Stagg CA, Lin M, Fawcett T, **Vander Kolk CA**, Udelsman R. Improved free musculocutaneous flap survival with induction of heat shock proteins. *Plast Reconstr Surg* 1998; 101:776-784.
68. Manson PN, Clark N, Robertson B, Slezak S, Wheatly M, **Vander Kolk C**, Iliff N. Subunit principles in midface fractures: the importance of sagittal buttresses tissue reductions, and sequencing treatment of segmental fractures. *Plast Reconstr Surg*. 1999; 103:1287-1306.
69. Zumpano MP, Carson BS, Marsh JL, **Vander Kolk C**, Richtsmeier JT. Three-Dimensional Morphological Analysis of Isolated Metopic Synostosis. *The Anatomical Record*. 1998; 256:177-188.
70. Buckner, A. and **Vander Kolk, C.A.**: Cleft Rhinoplasty. *Facial Plast. Surg.* 8:539, 2000.
71. Atabey A, McCarthy E, Manson P, **Vander Kolk CA**. Prefabrication of Combined Composite (Chimeric) Flap in Rats. *Ann Plast Surg*. 2000; 45:581-587.
72. Nahebedian M, Rozen SM, Namnoum JD, **Vander Kolk CA**. Giant Plexiform Neurofibroma of the Back. *Ann Plast Surg*. 2000; 45:442-445.
73. Galdino GM, Swier P, Manson P, **Vander Kolk CA**. Converting to Digital Photography: A Model for a Large Group or Academic Practice. *Plast Reconstr Surg*. 2000; 106:119-124..
74. Carson BS, Munoz D, Gross G, **Vander Kolk CA**, James CS, Gates J, North M, McKnight M, Guarnieri M. An Assistive Device for the Treatment of Positional Plagiocephaly. *J Craniofac Surg*. 2000; 11:177-183.
75. Galdino GM, Klatsky SA, Manson PN, **Vander Kolk CA**. The Digital Darkroom, Part 1: Digital Technology in Plastic Surgery. *Aesthetic Plas Surg*. 2000; 20:387-390.
76. Beaty TH, Wang H, Hetmanski JB, Fan YT, Zeiger JS, Liang KY, Chiu YF, **Vander Kolk CA**, Wulfberg EA, Raymond G, Panny SR,

- McIntosh I. A Case-Control Study of Nonsyndromic Oral Clefts in Maryland. *Ann Epidemiol.* 2001; 11:434-442.
77. Mofid MM, Manson PN, Robertson BR, Tufaro AP, Elias JJ, and **Vander Kolk CA.** Craniofacial Distraction Osteogenesis: A Review of 3278 Cases. *Plast Reconstr Surg.* 2001; 108:1103-1114.
78. Winograd JM, Im MJ, **Vander Kolk CA.** Enzymatic Activation Associated with Programmed Fusion of the Posterior Interfrontal Sutures in Rats. *Plast Reconstr Surg.* 2001; 108:927-937.
79. Nahabedian MY, Riley LH, Greene PS, Yang SC, **Vander Kolk CA.** Sternal Stabilization Using Allograft Fibula following Cardiac Transplantation. *Plast Reconstr Surg.* 2001; 108:1284-1288.
80. Galdino GM, Vogel JE, **Vander Kolk CA.** Standardizing Digital Photography: It's Not All in the Eye of the Beholder. *Plast Reconstr Surg.* 2001; 108:1334-1344.
81. Beaty TH, Hetmanski JB, Zeiger JS, Fan YT, Liang KY, **Vander Kolk CA,** McIntosh I. Testing Candidate Genes for Nonsyndromic Oral Clefts using Case-Parent Trio Design. *Genet Epidemiol.* 2001; 22:1-11.
82. Mofid M, Inoue N, Atabey A, Marti G, Chao E, Manson P, **Vander Kolk C.** Callus Stimulation in Distraction Osteogenesis. *Plast Reconstr Surg.* 2002; 109:1621-1629.
83. Zeiger J, Beaty T, Hetmanski J, Wang H, Scott A, Kasch L, Raymond G, Jabs E, Vander Kolk, C. Genetic and Environmental Risk Factors for Sagittal Craniosynostosis. *J Craniofac Surg.* 2002; 13:602-606.
84. Matic, D., Elshahat, A., Robertson, B., Manson, P., and **Vander Kolk, C.:** Growth Changes following Soft Tissue Distraction. *Craniofacial Surgery.* 2002; 9:33.
85. Matic D, Vander Kolk C. The Ptolemaic Concept versus the Copernican System: Rethinking the Etiology and Results of Treatment in Craniosynostosis in 2002. *Plast Reconstr Surg.* 2003; 111: 929-933.
86. Zeiger JS, Beaty TH, Hetmanski JB, **VanderKolk CA,** McIntosh I, Wyszynski DF, Bailey-Wilson JE, Ortiz de Luna R, Pernadones C, Tolarova MM, Moseby T, Bennun R, Segovia M. Evidence for Linkage of Non-Syndromic Oral Clefts: Evidence for a Candidate Region on Chromosome 2. *Euro J Human Gen.* 2003; 11:835-839.

87. Mofid MM, Inoue N, Tufaro AP, Robertson BC, **Vander Kolk CA**, Manson PN. Spring-Mediated Mandibular Distraction Osteogenesis. *J Craniofac Surg*. 2003; 14:756-762.
88. Elshahat A, Inoue N, Marti G, Safe I, Manson P, **Vander Kolk C**. Role of Guided Bone Regeneration Principle in Preventing Fibrous Healing in Distraction Osteogenesis at High Speed: Experimental Study in Rabbit Mandibles. *J. Craniofac. Surg*. 2004; 15:916-921.
89. Cummins, D.L., Hiatt, K.M., Mimouni, D., **Vander Kolk, C.A.**, Cohen, B.A., and Nousari, H.C. Generalized necrobiosis lipoidicae treated with combination of split-thickness autografting and immunomodulatory therapy. *Int. J. Dermatol*. 2004;43:852-4.
90. Mathews, R., Nelson, C., Gearhart, J.P., and **Vander Kolk, CA**. Tissue expansion in management of failed phallic reconstruction: initial report of clinical series. *Urology*. 2005; 66(1):180-4.
91. [Elshahat A, Inoue N, Marti G, Safe I, Manson P, and Vanderkolk C](#). Guided bone regeneration at the donor site of iliac bone grafts for future use as autogenous grafts. *Plast Reconstr Surg*. 2005;116:1068-75.
92. Martin M, Rodriguez E, Grant M, **Vander Kolk C** and Manson P. Three-Point Fixation of Orbitozygomatic Fractures Without Skin Incisions: The Lateral Transconjunctival Approach to the Lateral Orbit: 13. *Plast. Reconstr Surg* . 2005; 116:18.
93. [Lin SY, Halbower AC, Tunkel DE, Vanderkolk C](#). Relief of upper airway obstruction with mandibular distraction surgery: Long-term quantitative results in young children. *Arch Otolaryngol Head Neck Surg*. 2006;132:437-41.

Publications: Non-peer Reviewed Articles

1. **Vander Kolk, C.**, Cohen,S., Marsh, J., Posnick, J.: Distraction vs. Conventional Osteotomies: What Will We Be Doing in 2000. *Maxillofacial News*. 15 (2): 1999.
2. **Vander Kolk, C.**, Cutting, C., LaRossa, D., and Lehman, J.: Current Trends in Cleft Treatment. *Maxiofacial News*. 18 (1), 2002.

Publications: Book Chapters

1. O'Neal, R., Izenberg, P., Rohrich, R. and **Vander Kolk, C.**: The Use of Nasopharyngoscopy in the Diagnosis and Management of

Velopharyngeal Insufficiency. Surgical Endoscopy, Dent, T., W. Strodel, W., and J. Turcott, J., eds. Year Book Medical Company, Chicago, IL, 1985.

2. **Vander Kolk, C.:** Computers in Microsurgery Research. Reconstructive Microsurgery. O'Brien, B., and Morrison, W., Churchill-Livingstone, Edinburgh, 1987.
3. **Vander Kolk, C.** and Klatsky S.: Medical Management of the Aesthetic Surgery Patient. Male Aesthetic Surgery. Courtiss E., ed. Mosby Yearbook, Boston, MA, 1991.
4. **Vander Kolk, C.:** Cold Injuries. Current Surgical Therapy 4. Cameron, J., ed., B. C. Decker, Philadelphia, PA, 1992.
5. **Vander Kolk, C.:** Complications in Cleft Surgery. Complications in Head and Neck Surgery. Eisele, D. ed., B.C. Decker, Philadelphia, PA, 1993.
6. **Vander Kolk, C.:** Facial Trauma. Current Surgical Therapy 5. Cameron, J., ed., B.C. Decker, Philadelphia, PA, 1995.
7. **Vander Kolk, C.:** Benign Skin Lesions. Current Surgical Therapy 6. Cameron, J., ed., B.C. Decker, Philadelphia, PA, 1998.
8. Manson, P., **Vander Kolk, C.**, and Carson, B. Craniofacial Deformities. Manual of Internal Fixation in the Cranio-Facial Skeleton. Prein, J. ed. Springer-Verlag, New York, NY, 1998.
9. Lettieri, S. and **Vander Kolk, C.:** Craniofacial Syndromes. Plastic Surgery Secrets. Weinzwieg, J. ed., Hanley and Belfus, Philadelphia, PA, 1999.
10. **Vander Kolk, C.:** Cranial Distraction Osteogenesis: Case Reports. Craniofacial Distraction Osteogenesis. Samchukov, C. and Cherkashur, E., ed. Mosby, Philadelphia, PA, 2000.
11. **Vander Kolk, CA.:** Concepts in Pediatric and Craniomaxillofacial Plastic Surgery. Plastic surgery: Indications, Operations & Outcomes Volume 2: Craniofacial, Cleft and Pediatric Surgery. **Vander Kolk, C.A.** ed. Mosby, Philadelphia, PA, 2000.
12. **Vander Kolk, C.A.:** Cleft Palate. Plastic surgery: Indications, Operations & Outcomes Volume 2: Craniofacial, Cleft and Pediatric Surgery. **Vander Kolk, C.A.** ed. Mosby, Philadelphia, PA, 2000.

13. **Vander Kolk, C.A.:** Syndromic Craniosynostosis: Craniofacial Dysostosis. Plastic surgery: Indications, Operations & Outcomes Volume 2: Craniofacial, Cleft and Pediatric Surgery. **Vander Kolk, C.A.** ed. Mosby, Philadelphia, PA, 2000.
14. **Vander Kolk, C.** and Winograd, J.: Lymphedema. Current Surgical Therapy 7. Cameron, J., ed., B.C. Decker, Philadelphia, PA, 2001.
15. **Vander Kolk, C.,** Carson, B., and Guarnieri, M. Craniomaxillofacial Deformities. Facial Plastic Surgery, 2nd Ed. Papel, I. ed. Thieme Med. Pub. New York, NY, (in press).
16. Chariamonte, M., Deune, G., and **Vander Kolk, C.,** Sternal Wound Infections. Current Therapy in Cardiothoracic Surgery. Cameron, D. and Yang, S., ed., Harcourt, Philadelphia, PA (in press)
17. Menezes, J., Pourhamidi, J., **Vander Kolk, C.:** Craniofacial Syndromes. Plastic Surgery. Mathes, S., ed. Saunders, Philadelphia, PA, (in press)

Publications: Books

1. **Vander Kolk, C.A.** Editor. Clinics in Plastic Surgery – Craniofacial Surgery. Saunders, Philadelphia, PA, 1994.
2. **Vander Kolk, C.A.** Editor. Plastic surgery: Indications, Operations & Outcomes. Volume 2: Craniofacial, Cleft and Pediatric Surgery. Mosby, Philadelphia, PA, 2000.

Publications: Other Media

1. “Furlow Double Reversing Z-plasty.” Randall, P., La Rossa, D., **Vander Kolk, C.**, 1987. (Video)
2. “The Osteocutaneous Radial Forearm Flap.” **Vander Kolk, C.** and Stevenson, T., 1988. (Video)
3. “The Viewing Wand: An Interactive 3-D CT Surgical Localizing Device.” **Vander Kolk, C.**, Zinreich, J., Carson, B., Bryan, N. and Manson, P., 1991. (Video)
4. “Camp FACE – Children Finding Anonymity in a Camping Environment.” **Vander Kolk, C.**, Pat Landis, P., and Simpson, J. 2000 (Video)

Inventions

Synthes Flexible Distractor - Design in progress
Soft Tissue Anchor / Skin Closure System – Patent search in progress

Extramural Sponsorship

Peer Reviewed Plastic Surgery Society Grants

Educational Foundation of the American Society of
Plastic and Reconstructive Surgery, 1980.

Myofibroblasts and Breast Capsule
Contraction

\$3000.00 - **Craig A. Vander Kolk**

Educational Foundation of the American Society of
Plastic and Reconstructive Surgery, 1988.

\$3723.00 - **Craig A. Vander Kolk**

Educational Foundation of the American Society of
Plastic and Reconstructive Surgery, 1989

\$3000.00 - **Craig A. Vander Kolk**

American Society for Aesthetic
Plastic Surgery, 1990

3-D Histologic Reconstruction of the

Lip - \$3900.00

James D. Namnoum & **Craig A.**

Vander Kolk.

Plastic Surgery Educational Foundation Lyndon
Peer Fellowship 1994

\$30,000 - Jonothan Winograd, Sponsor -
Craig A. Vander Kolk

Plastic Surgery Educational Foundation, 1996
Apoptosis and In-vivo Craniosynostosis

\$5000 - Jonothan Winograd, Sponsor -
Craig A. Vander Kolk

Plastic Surgery Educational Foundation Grant, 1997
The Role of Oxidative Stress in Cranial

Suture Fusion - \$5000

\$5000 – John Girotto, Sponsor - **Craig A.**
Vander Kolk

American Society of Maxillofacial Surgery
Prefabrication of Combined Composite
(Chimeric) Flap in Rats

\$6,829 - Atay Atabey & **Craig A. Vander**
Kolk

Plastic Surgery Educational Foundation Grant 1999
BMP Induced Bone Formation for Free Flap
Reconstruction

\$5,000 – Richard Redett & **Craig A.**
Vander Kolk

American Society of Maxillofacial Surgery 2000

Memory Alloy in Distraction Osteogenesis
\$2,850 – Mark Mofid & **Craig A. Vander Kolk**

Plastic Surgery Educational Foundation Grant 2000
A New 3-D Camera for Facial Analysis
\$5000 – Greg Galdino & **Craig A. Vander Kolk**

Aesthetic Surgery Education & Research
Foundation Grant 2001 Retinoic Acid Skin
Treatment Prior to Laser Resurfacing
\$4,825 - Gregory Galdino & **Craig A. Vander Kolk**

National Institute of Health Funding

National Institute of Dental Research
The Genetic Epidermiology of Oral Clefts
ROI-DE-10293 - 1993 to 1998
Craig A. Vander Kolk, Co-investigator,
10% Effort
Cleft case and control recruitment through
Johns Hopkins and Mid-atlantic region.

National Institute of Dental & Craniofacial Research
Center for Craniofacial Development and
Disorders
P50DEO11131 – 1994 to 1999
Craig A. Vander Kolk, Principal
Investigator - Clinical Core
Clinical case recruitment, genetic
examination, CT diagnosis confirmation,
database management and coordination of
participating centers.
5% Effort, Total costs \$177,390. Direct
Costs \$116,494.
Indirect \$60, 896.

National Institute of Dental & Craniofacial Research
Searching for Susceptibility Genes in Oral
Clefts
P50DEO11131-010007 – 1994 to 1999
Craig A. Vander Kolk, Co-Investigator, 0%
Effort
Oral facial cleft case recruitment.

National Institute of Dental & Craniofacial Research
Center for Craniofacial Development and
Disorders

P60DEO13078 – 1999 to 2004

Craig A.Vander Kolk, Principal

Investigator - Clinical Core

Clinical case recruitment, genetic examination, CT diagnosis confirmation, database management and coordination of participating centers. Education and Family outreach. Development and Application of Technology in Craniofacial treatment.

5% Effort, Total Costs \$111,354. Direct Costs \$87,093

Indirect \$24,261, Current Direct Costs 2002 \$49,173.

2002 – 5% Effort, Direct Cost is \$46,186 and IDC is \$29,328

2003 – 5% Effort, Direct Cost is \$40,989 and IDC is \$26,028

National Institute of Dental & Craniofacial

Research

International Genetic Epidemiology of Oral

Clefts

R21DEO13707 – 2000 to 2002

Craig A.Vander Kolk, Co-Investigator

Coordination of clinicians for case recruitment at Asian centers.

Other Funding

Johns Hopkins Women's Board, Craniofacial Center \$48,200, Vander Kolk, C., 1994

AO/ASIF – Long-term follow-up of Rigid Fixation \$48,000, **Vander Kolk, C** and Manson, P. 1995

Smile Train Foundation, 1999, 2000, 2001

\$25,000 – Camp Face, **Vander Kolk C.**, Exec. Dir.

Gift and Pledges – Cleft & Craniofacial Center

Activities

\$121,650 – Pledges 1995 to 2002

\$ 83,650 received to date

EDUCATIONAL ACTIVITIES

Teaching

Classroom Instruction

“Reconstructive Plastic Surgery” – Johns Hopkins Medical Student, General Surgery Lecture 1987- 1991

“Principles of Craniofacial Surgery” – Johns Hopkins Medical Student, General Surgery Lecture 1991-1999
“Anatomy and Clinical Correlations in the Head & Neck” – 1st Year Medical Student
Anatomy 1995-1999
“Oral Facial Clefts: Understanding Anomalies and Clinical Care” – Johns Hopkins 1st Year Medical Student Anatomy Course, Clinical Correlations, 1996-present.

Clinical Instruction

Clinical Director – Johns Hopkins Hospital Rotation - Plastic Surgery Residents
The Johns Hopkins / University of Maryland Plastic Surgery Training Program 1990 – 2000.
Program Director – Craniofacial Residency (Fellowship) Johns Hopkins - 2000- present.

CME Instruction

Instructional Courses
American Society of Plastic and Reconstructive Surgeons – National Meeting 1988 - Lower Extremity Reconstruction
Facial Trauma
1989 – Lower Extremity Reconstruction
Facial Trauma
1990 - Lower Extremity Reconstruction
Facial Trauma
1991 – Lower Extremity Reconstruction
Facial Trauma and Rigid Fixation
1993 – Rigid Fixation: Indications and Techniques
1994 – Rigid Fixation: Indications and Techniques
1995 - Rigid Fixation: Indications and Techniques
1997 – Principles of Plate and Screw Fixation
1998 – Principles of Plate and Screw Fixation
American Society of Aesthetic Plastic Surgery
2005 – Developing a Culture of Safety in Aesthetic Surgery

Mentoring

Advisees

Undergraduates

Marcus Ko, 1996 – 1998, Johns Hopkins University
Harvard Medical School
Brian Song, 1999-2001, Johns Hopkins University
Steven Pulimood, 2000, Brown University
David Jaqueux, 2001 – 2002, Johns Hopkins University

Post-Graduate Students

Julie Greer, M.S., 2000-2002, Kennedy Kreiger Institute
Cleft Palate Speech

Masters Students

Tiffany Slaybaugh – 2002, Johns Hopkins School Of

Medicine

Art as Applied to Medicine

Medical Students

Mark Mofid, 1995 – 1997, Johns Hopkins School of

Medicine

Plastic Surgery Resident, Johns Hopkins

Dexter Love, 1999 – 2001, Johns Hopkins School of
Medicine

National Medical Fellowship

David E. Rogers Memorial Prize (2001)

Residents (John Hopkins Plastic Surgery – Research Fellows)

James Namnoum, 1990, Plastic Surgeon, Atlanta, GA
American Society for Aesthetic Plastic
Surgery Grant, 1990

3-D Histologic Reconstruction of the Lip -
\$3900.00

Jonathan Winograd, 1993 – 1995, Massachusetts General
Hospital,

Assistant Professor, Harvard Medical School

Plastic Surgery Educational Foundation

Lyndon Peer Craniofacial Research Fellowship, 1994 -
\$30,000

Apoptosis and In-vivo Craniosynostosis, 1996 - \$5000

John Giroto, 1996 – 1998, Plastic Surgery Resident, Johns
Hopkins

Plastic Surgery Educational Foundation Grant, 1997

The Role of Oxidative Stress in Cranial Suture Fusion -
\$5000

Rick Redett, 1998, Plastic Surgery Resident, Johns Hopkins

Plastic Surgery Educational Foundation Grant, 1999

BMP Induced Bone Formation for Free Flap
Reconstruction - \$5,000

Mark Mofid, 2000 , Plastic Surgery Resident, Johns
Hopkins

American Society of Maxillofacial Surgery Grant 2000,

Memory Alloy in Distraction Osteogenesis - \$2,850

Greg Galdino, 1998 – 2001, Radiology Resident, UCSF Hospital

Plastic Surgery Educational Foundation Grant, 2000,
A New 3-D Camera for Facial Analysis - \$5000
Aesthetic Surgery Education & Research
Foundation Grant 2001
Retinoic Acid Skin Treatment Prior to Laser
Resurfacing - \$4,825

Laboratory Research Fellows

Atay Atabey, 1997 – 2000, Associate Professor, Ismir,
Turkey

American Society of Maxillofacial Surgery 1998
Prefabrication of Combined Composite (Chimeric) Flap in
Rats - \$6,829

Ahmet Elshahat, 1999 – 2002

Clinical Fellows (Craniofacial-Microsurgery)

Dean Glassman, 1987, Plastic Surgeon, Jacksonville, FL

Kevin Kelly, 1988, Associate Professor, Vanderbilt

University, Nashville, TN

Joseph Serletti, 1990, Associate Professor, Chief of Plastic
Surgery

University of Rochester, Rochester, NY

Lyle Leipziger, 1991, Chief of Plastic Surgery, Long Island
Jewish Hospital New York, NY

Salvatore Lettieri, 1996, Craniofacial Surgeon, Mayo
Clinic, Scottsdale, AZ

Clinical Fellows (Craniofacial Surgery Residency Program
Director)

Damir Matic, M.D., 2000 - 2001, Craniofacial Surgeon
St. Michaels Hospital, Toronto, Canada

John Menezes, M.D., 2001 - 2002

Thesis Committees

Diego Wisnewski – Johns Hopkins University, School of Public
Health – PhD.

Joanna Zeiger – Johns Hopkins University School of Public Health
– PhD.

Damir Matic – University of Toronto – MSc.

JiWan Park - Johns Hopkins, School of Public Health – PhD,
Chairman, Oral Examination Committee, July 25, 2005

Training Grant

Howard Hughes Student Fellowship, 1994, Co-Mentor

Editorial Activities

Editorial Board

Annals of Plastic Surgery 1994-1997

Journal of Craniofacial Surgery 1996 - present

Journal Peer Review

Annals of Plastic Surgery – Publication review and Commentary

Journal of Craniofacial Surgery - Publication review and
Commentary

Plastic and Reconstructive Surgery - Publication review and
Commentary

CLINICAL ACTIVITIES

Certification

Medical Licensure:	Michigan	044143,	1981 - 1987
	Pennsylvania	MD037035-E,	1986 - 1987
	Maryland	D 35172,	1987 – present
	Florida	ME89179,	2003 – present
	Washington, D.C.	MD036519,	2005 - present

Board Certification: American Board of Plastic Surgery
Certificate #3771, 11/10/89

NPI # 1497782163

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

Johns Hopkins Outpatient Surgery Committee 1997 - present

Tissue Committee - The Johns Hopkins Hospital 1987 - 1997

Quality Assurance - The Johns Hopkins Hospital 1988 - 1997

Staff Conference Committee - The Johns Hopkins Hospital 1990 - 1992,
1995 - 1998

Liability Committee - MIEMSS 1988 – 1990

Institutional Research Grants Committee – 1997-1999

Medical School Council 1994 – 1998,

Department of Surgery Representative

Otolaryngology-Head and Neck Surgery Chairman Search Committee

2002-2003

Professional Societies

American Board of Plastic Surgery

Oral Boards

Guest Examiner, 1996 – 2001

Senior Examiner, 2002 - present

American Society of Craniofacial Surgery

Secretary – Treasurer, 1998 – 2000

President, 2000 - 2002

American Cleft Palate and Craniofacial Association
Program Committee, 1997, 1998
Chairman, Local Arrangements Committee, 1997 – 1998
CPF - Publications Committee 1999-present
American College of Surgeons
American Society of Maxillofacial Surgeons
Research Committee, 1995 – 2000
Research Committee Chairman, 1997 – 1999
Biomaterials Committee 1996
Outcomes Committee 1997-2000
American Society of Plastic Surgeons
American Association of Academic Chairmen of Plastic Surgery
Chairman, Issues Committee 1998 - 2001
Baltimore County Medical Society
Children's Craniofacial Deformities Coalition
Representative, 1999 - present
International Society of Craniofacial Surgeons
John Staige Davis Society
President 1996 – 1997
Plastic Surgery Research Council
Reed O. Dingman Society

Conference Organizer

AO North America – Chaired Courses
Basic Maxillofacial Course, Monterey, CA, June 8-11, 1994
Advanced Symposium, Snowbird, UT, February, 1998
Distraction Ontogenesis, Mid-Tier Symposium, Chicago, IL,
December, 1999
Distraction Ontogenesis, Mid-Tier Symposium, Chicago, IL,
December, 2000
Distraction Ontogenesis vs. Orthognathic Techniques, Washington
D.C., 2001
Basic Neursurgery Course, San Diego, California, September 28,
2001

Advisory Committees

AO North America - North American Maxillofacial Educational
Committee – 1996-2001
NIH Ad Hoc Committee for NIDCR – Craniosynostosis – 2000
Ad Hoc Committee for Center for Scientific Review at NIH
(Craniosynostosis) – 2003

Consultant

Walter Reed Army Medical Center, Craniofacial Consultant – 1995 to
present

RECOGNIITION

Awards and Honors

Psi Chi Honor Society

Beta Beta Beta Honor Society

Best Paper Award. American Society of Maxillofacial Surgeons.

“Craniofacial Distraction Osteogenesis: A Review of 3278 Cases”
(\$1000.00 to Mark Mofid) November 4, 2002, San Antonio, Texas.

Invited Talks, Panels

1. “Tissue Expansion in Head and Neck Reconstruction”, Presented at the International Pediatric Maxillofacial Symposium, Children's Hospital of Michigan, Detroit, MI, April 15, 1984.
2. “The Use of Tissue Expansion in Plastic Surgery”, Melbourne, Society of Plastic Surgeons, Melbourne, Australia, November 12, 1984.
3. “The Use of Tissue Expansion in Upper and Lower Extremity Reconstruction”, Symposium on Upper and Lower Extremity Trauma, Lake Geneva, WI, August 16, 1985.
4. “Vascularized Tendon Grafts in Hand Reconstruction”, Symposium on Upper and Lower Extremity Trauma, Lake Geneva, WI, August 16, 1985.
5. “Tissue Expansion in Craniofacial Surgery”, American Cleft Palate Association, San Antonio, TX, March 13, 1987.
6. “Proplast Augmentation in Craniofacial Surgery”, American Cleft Palate Association, San Antonio, TX, March 13, 1987.
7. “A Quantitative Analysis of Onlay Cranial Bone Grafts”, Robert H. Ivy Society, 33rd Annual Meeting, Pittsburgh, PA, March 14, 1987.
8. “Surface Area and Collagen Changes in Tissue Expansion”, Plastic Surgery Research Council, Boston, MA, May 22, 1987.
9. “The Fate of Onlay Cranial Bone Grafts”, Harrison Surgical Lecture, University of Pennsylvania, Philadelphia, PA, June 10, 1987.
10. “The Fate of Onlay Cranial Bone Grafts: A Quantitative Three Dimensional CT Analysis”, Northeastern Society of Plastic Surgeons, New York, NY, September 18, 1987.
11. “The Treatment of Trigenocephaly with Orbital Hypotelorism”, Northeastern Society of Plastic Surgeons, New York, NY September 19, 1987.

12. "Surgical Management of Melanoma", Symposium on Melanoma, Department of Dermatology, The Johns Hopkins Hospital Baltimore, MD, February 3, 1988.
13. "Treatment of Trigenocephaly with Orbital Hypotelorism", American Cleft Palate Association, Williamsburg, VA, April 27, 1988.
14. "Cleft and Craniofacial Bone Grafting", Study Session American Cleft Palate Association, Williamsburg, VA, April 27, 1988.
15. "Rigid Fixation in the Management of Facial Fractures", Bethesda Naval Hospital, Washington, D.C., May 28, 1988.
16. "Rigid Fixation in Pan Facial Fractures", Reed O. Dingman Society, Ann Arbor, MI, July 23, 1988.
17. "The Osteocutaneous Radial Forearm Flap", American Society of Reconstructive Microsurgery, Baltimore, MD, September 18, 1988.
18. "Soft Tissue Coverage of the Lower Extremity", Maryland Institute for Emergency Medical Services Systems, Baltimore, MD, September 23, 1988.
19. "The Osteocutaneous Radial Forearm Flap", American Society of Plastic and Reconstructive Surgeons Annual Meeting, Toronto, Canada, October 5, 1988.
20. "Rigid Fixation of Orbital Fractures", International Workshop on Craniofacial Trauma, Adelaide, Australia October 10, 1988.
21. "Craniofacial Fractures in Children", International Workshop on Craniofacial Trauma, Adelaide, Australia October 12, 1988.
22. "Acute vs. Delay of Soft Tissue Reconstruction in Lower Extremity Trauma", Symposium on Lower Extremity Trauma, Lehigh Valley Hospital Center, Allentown, PA, October 22, 1988.
23. "Principles of Reconstruction in Trauma", First International Symposium on Care of the Traumatized Patient, Red Cross of Mexico, Mexico City, November 9, 1988.
24. "Lower Extremity Reconstruction with Musculo-cutaneous Flaps", First International Symposium on Care of the Traumatized Patient, Red Cross of Mexico, Mexico City, November 10, 1988.

25. "Recent Advances in Care of Facial Trauma", First International Symposium on Care of the Traumatized Patient, Red Cross of Mexico, Mexico City, November 11, 1988.
26. "Facial Bone Healing and Bone Grafts - Practical Applications of the Literature", Symposium on Rigid Fixation of the Craniofacial Skeleton, Baltimore, MD, November 18, 1988.
27. "Tissue Expansion in Facial Reconstruction", Symposium on Rigid Fixation of the Craniofacial Skeleton Baltimore, MD, November 20, 1988.
28. "Aesthetic Rehabilitation - Facial Scars", 11th National Trauma Symposium, Baltimore, MD, December 2, 1988.
29. "Rigid Fixation in Pediatric Facial Fractures", 2nd International Symposium of Craniofacial Surgery Florence, Italy, June 15, 1989.
30. "Microvascular Reconstruction of Grade III B Tib/Fib Fractures: Long Term Follow-up -Tom Francel, M.D. & Craig Vander Kolk, M.D.", American Society of Reconstructive Microsurgery, Seattle, WA, September 11, 1989.
31. "Rigid Fixation and Management of Midface Fractures", American Society of Plastic and Reconstructive Surgery Instructional Course 2-226, San Francisco, CA, October 30, 1989.
32. "Acute Flap Reconstruction of the Severely Traumatized Lower Extremity", ASPRS Instruction Course 2-302, San Francisco, CA, October 31, 1989.
33. "Acute Flap Reconstruction of the Severely Traumatized Lower Extremity", ASPRS Instruction Course 2-176, Boston, MA, October 22, 1990.
34. "Rigid Fixation in the Management of Le Fort Fractures", ASPRS Instruction Course 2-464, Boston, MA, October 22, 1990.
35. "The Viewing Wand: An Interactive 3-D CT Surgical Localizer", International Society of Craniomaxillofacial Surgery, Santiago de Compostela, Spain, June 13, 1991.
36. "Acute Flap Reconstruction of the Severely Traumatized Lower Extremity", ASPRS Instruction Course, Seattle, WA, September 23, 1991.

37. "The Viewing Wand: An Interactive 3-D CT Surgical Localizer", ASPRS Video Tape Session, Seattle, WA, September 24, 1991.
38. "Rigid Fixation in the Management of Le Fort Fractures", ASPRS Instructional Course, Seattle, WA, September 26, 1991.
39. "Craniofacial Techniques for Hemifacial Microsomia", University of Maryland Dental School, Baltimore, MD, March 13, 1992.
40. "Craniofacial Surgery for Downs Syndrome", The Kennedy Krieger Institute, Baltimore, MD, March 21, 1992.
41. "Maxillofacial Trauma I & II", Osler Plastic Surgery Review Course, Philadelphia, PA, April 4, 1992.
42. "Treatment Organization in Complex Panfacial Fractures", Military Plastic Surgery Meeting, Washington, D.C., April 6, 1992.
43. "Orbitozygomatic Fracture Management", Military Plastic Surgery Meeting, Washington, D.C., April 6, 1992.
44. "Frontal Sinus Fracture Management", Military Plastic Surgery Meeting, Washington, D.C., April 7, 1992.
45. "Ischemia Induced Down - Regulation of Protein Kinase C in Skin Flaps", Plastic Surgery Research Council Meeting, Toronto, Canada, May 1, 1992.
46. "An Intra-operative Device for 3-D CT Surgical Localization", American Cleft Palate Craniofacial Association, Annual Meeting, Portland, OR, May 13, 1992.
47. "Three Dimensional Computer Reconstruction of Upper Lip Anatomy", American Cleft Palate Craniofacial Association, James Nannou, M.D. and Craig Vander Kolk, M.D., Annual Meeting, Portland, OR, May 14, 1992.
48. "Questions: Who is the Case Manager? What Does the Case Manager Do? How Does the Case Manager Do It?", American Cleft Palate & Craniofacial Association, Gloria P. Claybaugh and Craig Vander Kolk, M.D., Annual Meeting, Portland, OR, May 14, 1992.
49. "Early Definitive Treatment of Ballistic and Avulsive Wounds of the Face - An Anatomical Algorithm for Reconstruction", American

Association of Plastic Surgeons, P.N. Manson, C.A. Vander Kolk, B. Birely, S. Slezak, N. Clark, Vancouver, Canada, May 20, 1992.

50. "Long Term Results of Flap Reconstruction in Median Sternotomy Wound Infections", American Association of Plastic Surgery, Vancouver, Canada, May 20, 1992.
51. "Principles of Midface Fractures", AO Maxillofacial Course, Chicago, IL, June 3, 1992.
52. "Naso-Orbital-Ethmoidal Fractures", AO Maxillofacial Course, Chicago, IL, June 5, 1992.
53. "Complications in Rigid Fixation", AO Maxillofacial Course, Chicago, IL, June 5, 1992.
54. "Acute Flap Reconstruction of the Severely Traumatized Lower Extremity", ASPRS Instructional Course, Washington, D.C., September 21, 1992.
55. "Procedures in Breast Reconstruction", Washington County Hospital Grand Rounds, Hagerstown, MD, October 15, 1992.
56. "The Occipital Bar & Internal Osteotomies in Occipital Deformities", International Symposium on Craniofacial Surgery, Chicago, IL, October 22, 1992.
57. "Cleft Lip Revision & Rhinoplasty", Maryland Society for Cleft Lip and Palate, Baltimore, MD, October 26, 1992.
58. "Orthodontic and Orthognathic Problems in Cleft Patients", Chesapeake Orthodontic Study Group, Columbia, MD, November 11, 1992.
59. "New Techniques in Breast Reconstruction", British Virgin Islands Plastic Surgery Workshop, Tortola British Virgin Islands, January 1993.
60. "Sagittal Fractures of the Maxilla", British Virgin Islands Plastic Surgery Workshop, Tortola British Virgin Islands, January 1993.
61. "Surgical Simulation & Intra-operative Confirmation", American Cleft Palate and Craniofacial Association, Philadelphia, PA, April 23, 1993.

62. "Clinical Evaluations and Injury Patterns: Anatomy, Incision and Soft Tissue Considerations", AO/ASIF Maxillofacial, Kiawah Island, SC, June 8, 1993.
63. "Naso-Orbital-Ethmoid Concepts", AO/ASIF Maxillofacial Course, Kiawah Islands, SC, June 9, 1993.
64. "Pediatric Facial Fractures" Moderator Panel Discussion, American College of Surgeons, San Francisco, CA., October 14, 1993.
65. "Craniofacial surgical simulation and intra-operative confirmation", V International Congress of the International Society of Craniofacial Surgery, Oaxaca, Mexico, October 26, 1993.
66. "Cranial Expansion in Hypoxic/Ischemic Induced Mediated Secondary Synostosis", American Society of Craniofacial Surgeons, Toronto, Canada, May 20, 1994.
67. "Maxillary Fractures", AO Maxillofacial Course, Monterey, CA, June 9, 1994.
68. "Complications of Midface Fractures", AO Maxillofacial Course, Monterey, CA, June 10, 1994.
69. "Complications and Costs of Cleft Palate Closure", American Society of Plastic and Reconstructive Surgeons, San Diego, CA, September 26, 1994.
70. The Great Debate. Early Bone Grafting Gives the Best Results in Cleft Treatment. American Cleft Palate Craniofacial Symposium. American Cleft Palate – Craniofacial Association, Tampa, FL, April, 1995.
71. "The Outcome of Plate and Screw Fixation in Craniofacial Surgery" American Association of Plastic Surgeons, Portland, OR, May 2, 1995.
72. "The Outcome of Plate and Screw Fixation in Craniofacial Surgery" American Society of Plastic and Reconstructive Surgery, October 8, 1995.
73. "Surgical Correction of Plagiocephaly: Bringing Facts to the Controversy." American Association of Plastic Surgeons, May 7, 1996
74. "Craniofacial Surgery", Anesthesia Grand Rounds, Johns Hopkins Hospital, January 30, 1997.

75. "New Advances in Imaging Craniofacial Deformities," American Cleft Palate and Craniofacial Society, New Orleans, LA, April 11, 1997.
76. "New Advances in Distraction Osteogenesis", General Surgery Grand Rounds, Johns Hopkins Hospital, September 6, 1997.
77. "Long-term Outcomes in the Treatment of Cleft Deformities: Long-term Follow-up of the Lemeausier Repair", ASMF-PSEF Symposium, September 20, 1997.
78. "Biocompatibility of Fixation Material in Craniofacial Surgery" American Society of Craniofacial Surgeons, San Francisco, CA, September 20-22, 1997.
79. "New Observations on Plate and Screw Fixation and Craniofacial Growth" International Society of Craniofacial Surgery, Oaxaca, Mexico, October 14-17, 1997.
80. "Plastic Surgery for Cleft Lip and Palate", The Maryland Society of Cleft Lip and Palate, November 15, 1997.
81. "Distraction Osteogenesis in Craniofacial Deformities", AO Maxillofacial Symposium, Baltimore, MD, March 29, 1998.
82. "Rigid Fixation in Craniofacial Deformities", AO Maxillofacial Symposium, Baltimore, MD, March 29, 1998.
83. "Bio-Compatibility of Rigid Fixation in Craniofacial Surgery", ASMS-PSEF Biomaterials Symposium Boston, MA, October 2, 1998.
84. Moderator Panel on Facial Trauma, American College of Surgeons, Orlando, FL, October 30, 1998.
85. "Distraction Osteogenesis in Craniofacial Surgery", Invited Lecturer, The Austral/Asian Craniofacial Society, November 11, 1998.
86. "Facial Trauma Reconstruction with Rigid Fixation", Invited Lecturer, Adelaide Craniofacial Center Trauma Meeting, November 13, 1998.
87. "Distraction Osteogenesis", AO Maxillofacial Meeting, Charlotte, NC, November 21-22, 1998.
88. "New Advances in Imaging in Craniofacial Surgery", AO Advanced Symposium, St. Petersburg, FL, March 2, 1999.

89. "Distraction Osteogenesis in Craniofacial Surgery", AO Advanced Symposium, St. Petersburg, FL, March 2, 1999.
90. "Distraction Osteogenesis in Craniofacial Surgery", AO Mid-Tier Symposium, Louisville, KY, May 22-23, 1999.
91. "New Advances in Aesthetic Surgery", Maryland Dental Society Cosmetic Symposium, Hunt Valley, MD, May 29, 1999.
92. "New Ideas in Distraction Osteogenesis", AO Faculty Retreat, Sagamore, NY, August 27-9, 1999.
93. "Craniofacial Surgery in the New Millennium", Invited Lecturer, Turkish Society of Plastic Surgery, Ismir, Turkey, October 1, 1999.
94. "Distraction Osteogenesis in Craniofacial Surgery", Invited Lecturer, Turkish Society of Plastic Surgery, Ismir, Turkey, October 2, 1999.
95. "Aesthetic Surgery in the New Millennium", Women's Health Conference, The Johns Hopkins Hospital, Baltimore, MD, October 23, 1999.
96. "Distraction Osteogenesis for Complex Cranial Deformities", International Society of Craniofacial Surgery, Taipei, Taiwan, November 1, 1999
97. "Three-D Photographic Evaluation in Craniofacial Deformities", International Society of Craniofacial Surgery, Taipei, Taiwan, November 2, 1999 (Gregory Galdino, M.D. presenting).
98. "Distraction Osteogenesis versus Orthognathic Surgery: Why and Why Not?", AO Distraction Osteogenesis, Chicago, IL, December 11, 1999.
99. "Cleft Lip and Palate: New Considerations in Treatment and Outcomes", Keynote Speaker, Florida Cleft Palate Association, St. Petersburg, FL, January 15, 2000
100. "Craniofacial Reconstruction in the New Millennium", Invited Guest – Nelson Mandela and Johannesburg Plastic Surgery, Johannesburg, South Africa, February 15, 2000.
101. "Distraction Osteogenesis: The Johns Hopkins Experience", AO Advanced Symposium, Breckenridge, CO, March 4, 2000.

102. "Mini and Micoplate Fixation in Facial Fractures", AO International, Asuncion, Paraguay, March 16, 2000.
103. "Complex Midface Fractures", AO International, Asuncion, Paraguay, March 17, 2000.
104. "Distraction Osteogenesis", AO International, Asuncion, Paraguay, March 18, 2000
105. "Aesthetic and Reconstructive Surgery in Adolescents", Pediatrics for the Practitioner Symposium, Johns Hopkins Hospital, Baltimore, MD, September, 15, 2000.
106. "Distraction Osteogenesis: New Advances" Johannesburg General Hospital, Plastic Surgery, Johannesburg, South Africa, November 27, 2000
107. "Distraction Osteogenesis: Research and Clinical Experience" AO Advanced Symposium, St Petersburg, FL, February 5, 2001.
108. "Craniofacial Surgery: New Methods of Diagnosis and Treatment", AO International, Madrid, Spain, March 24, 2001.
109. "Distraction Osteogenesis: Basic Science, Techniques, & Outcome", AO International, Madrid, Spain, March 25, 2001.
110. "Panel: Congenital Deformities - Craniosynostosis", Craniofacial Surgery: The New Millennium, Plastic Surgery Educational Foundation. New York, NY, March 31, 2001.
111. "State of the Art – Plating", Craniofacial Surgery: The New Millennium, Plastic Surgery Educational Foundation. New York, NY, March 31, 2001.
112. "New Ideas and Papers", Moderator, Craig A. Vander Kolk, Craniofacial Surgery: The New Millennium, Plastic Surgery Educational Foundation. New York, NY, March 31, 2001.
113. "Outcomes in Distraction Osteogenesis", (Mark Mofid) International Society of Craniofacial Surgery, Gotland, Sweden, June 17, 2001.
114. "Growth Changes following Soft Tissue Distraction", (Damir Matic) International Society of Craniofacial Surgery, Gotland, Sweden, June 18, 2001.

115. "Incisions and Wound Closure in Cranial Surgery", AO Basic Neurosurgery Workshop, San Diego, CA, October, 2001.
116. "Plate and Screw Fixation in Cranial Surgery", AO Basic Neurosurgery Workshop, San Diego, CA, October, 2001.
117. "Outcomes and Advances in Cleft Treatment", Johns Hopkins Surgery Grand Rounds, December 15, 2001.
118. "Craniofacial Surgery: History and Techniques", Johns Hopkins Plastic Surgery/Neurosurgery Combined Conference, April 20, 2002.
119. "The Superiority of the von Langenbeck: 13 Years and 189 Consecutive Cleft Palate Patients" American Association of Plastic Surgeons, Seattle, WA, April 27, 2002.
120. "Evaluation of the Efficacy of a Camping Event as a Psychosocial Venue for Teens with Facial Differences". (J. Simpson), American Cleft Palate – Craniofacial Association, Seattle, WA, May 3, 2002.
121. "Results of a Modified von Langenbeck Palatal Repair – A Ten Year Review". (J. Menezes), American Cleft Palate – Craniofacial Association, Seattle, WA, May 3, 2002.
122. "Forehead Contouring and Aesthetic Reconstruction" AO Advanced Symposium. Tucson AZ, February 25, 2003.
123. "New Advances in Cleft Lip and Palate Treatment" Inova Craniofacial Symposium. Herndon VA, April 5, 2003.
124. "Psychosocial Outcomes in Craniosynostosis Surgery" American Cleft Palate Association. Ashville, NC. April 10, 2003 (John Menezes – Presenting).
125. "Surgical Outcomes in Craniofacial Reconstruction" American Cleft Palate Association. Ashville, NC. April 12, 2003.
126. "Integration of Brain, Bone, and Skin in Craniosynostosis" American Cleft Palate Association. Ashville, NC. April 12, 2003 (Joan Richtsmeier – Presenting).
127. "Craniofacial Reconstruction: New Perspectives for Patients and Surgeons" Sinai Hospital Department of Dentistry Grand Rounds, Baltimore, MD, April 28, 2003.

128. "Patient Reported Outcomes in Plastic Surgery: New Perspectives for Patients and Physicians" FDA Sponsored Symposium. Washington D.C., April 29, 2003.
129. "The Nasolabial Fold: Analysis of the Incidence by Age and other Anatomic Variables Important in Facial Rejuvenation" The American Society for Aesthetic Plastic Surgery. Boston, MA, May 15, 2003
130. "Developing a Culture of Safety in Plastic Surgery" Southeastern Association of Plastic and Reconstructive Surgeons, Nassau, Bahamas, June 8, 2005.
131. "Facelifting: Which Techniques and Why" Virgin Islands Plastic Surgery Workshop, St John, USVI, January 30, 2007.

Visiting Professor

1. Lehigh Valley Medical Center, Allentown, PA, October 22, 1988
2. Mexico City Red Cross Hospital, Mexico City, Mexico, November 9 – 11, 1988
3. "Microsurgical Techniques in Treatment of Earthquake Victims", NASA: Armenian Space Bridge Project May 24, 1989, MIEMSS.
4. Beaumont Hospital, Department of Plastic Surgery, Royal Oak, MI, November 1992.
5. St. Vincent's Hospital, Department of Plastic Surgery, Toledo, OH, October 1993.
6. Adelaide Craniofacial Center, Adelaide, Australia, November 9-13, 1998
7. Johannesburg General Hospital, Special Invitation of Nelson Mandela, Johannesburg, South Africa, February 13-16, 1999
8. Turkish Society of Plastic Surgery, Ismir, Turkey, October 1-3, 1999
9. Johannesburg General Hospital, Special Invitation of Nelson Mandela, Johannesburg, South Africa, November 23-26, 2000.
10. University Hospital, University of Wisconsin, Madison WI, January 16-18, 2001

11. Hospital Doce de Octubre, AO International, Madrid Spain, March 24-25, 2001
12. Akron Childrens Hospital, Akron, OH, May 11-12, 2001

Media/ Public Presentations

1. "Treatment of Siamese Twins", WOTV, Grand Rapids, MI, January 27, 1988.
2. "Facial Reconstruction in Downs Syndrome", National Public Radio, WNAU, February 11, 1988.
3. "Suction-Assisted Lipectomy", National Public Radio, WNAU, March 9, 1988.
4. "Breast Reconstruction", The Children's Hospital and Center for Reconstructive Surgery, April 8, 1988.
5. "Breast Reconstruction", WMAR TV, Channel 2, Baltimore, MD, April 20, 1988.
6. "Facelift, Pros and Cons", The Women's Coalition for Health, Baltimore, MD, October 26, 1988.
7. "Cleft and Craniofacial Deformities", WJZ TV, Channel 13, Baltimore, MD, April 1992.
8. "Cleft and Craniofacial Deformities", WMAR TV, Channel 2 Children's Miracle Telethon, Baltimore, MD.
9. "Options in Breast Reconstruction", Y-Me Cumberland Valley, Hagerstown, MD, October 15, 1992.
10. "Scars, Facial Deformities & Cosmetic Surgery", Linda Siedel's Cosmetology Workshop, Towson Sheraton, Towson, MD, May 18, 1993.
11. "Aesthetic Surgery", The Women's Journey. Baltimore, MD, 1999.
12. "Cosmetic Surgery in the New Millennium". The Women's Journey. Baltimore MD, November, 2001
13. "The New Face of Cosmetic Surgery". The Women's Journey. Baltimore MD, November 3, 2001

OTHER PROFESSIONAL ACCOMPLISHMENTS

Founder Camp Face

Finding Anonymity in a Camping Environment – A yearly weekend camp for children with facial differences.