

January 29, 2003

## CURRICULUM VITAE

### PERSONAL DATA

Name: Edward A. Hurvitz

### EDUCATION

High School: Southfield High School, Southfield, Michigan

Undergraduate: Wayne State University, Detroit, Michigan, 1977-1980  
B.S. in Biology - Honors with High Distinction

Graduate/Professional: Wayne State University School of Medicine, Detroit, Michigan, 1980-84, M.D.

International Graduate Summer Session in Epidemiology, University of Michigan  
School of Public Health, Ann Arbor, Michigan, 1988, 1989, 1990, 1994, and 1996

### POST-DOCTORAL TRAINING

Extern: Radiation Oncology Center  
Harper Hospital of Detroit, 6/81-8/81

Intern: Department of Pediatrics  
Children's Hospital of Michigan, 7/84-12/84

Intern: Department of Medicine  
Sinai Hospital of Detroit, 1/85-6/85

Resident: Department of Physical Medicine and Rehabilitation  
Sinai Hospital of Detroit, 7/85-6/88

Fellow: Pediatric Rehabilitation  
Department of Physical Medicine and Rehabilitation  
University of Michigan, 7/88-2/89

Fellow: Department of Education, NIDRR  
Rehabilitation Fellow  
Department of Physical Medicine and Rehabilitation  
University of Michigan, 1/90-12/91

### ACADEMIC APPOINTMENTS

Lecturer, Department of Physical Medicine and Rehabilitation, Pediatric and Adolescent Services, University of Michigan Medical School, Ann Arbor, Michigan, 1989-1995

Assistant Professor, Department of Physical Medicine and Rehabilitation, Pediatric and Adolescent Services, University of Michigan Medical School, Ann Arbor, Michigan, 1995-2002

Associate Professor, Department of Physical Medicine and Rehabilitation, Pediatric and Adolescent Services, University of Michigan Medical School, Ann Arbor, Michigan, 2002-present

## **CONSULTING POSITIONS**

Chief of Service, Rehabilitation Medicine Service, Ann Arbor Veterans Administration Hospital, January, 1991-June 1993 (Acting Chief in 1990)

Staff Physician, Veterans Administration Hospital, Ann Arbor, Michigan, 1988-present

New Horizons Center, Ypsilanti Public Schools, Ypsilanti, Michigan, 1990-present

Tarrant Center, Jackson County Intermediate School District, Jackson, Michigan, 1989-present

New Medico Community Re-entry Services of Ann Arbor, Ann Arbor, Michigan, 1990-93

Porter Center, Lenawee County Intermediate School District, Adrian, Michigan, 1997 to present

Research Consultant, AIC Bethany Crippled Children's Center of Kenya, Kijabe, Kenya

## **SCIENTIFIC ACTIVITIES**

### *Editorial Positions*

Reviewer, Archives of Physical Medicine and Rehabilitation, 1990-present

## **GRANT SUPPORT**

### Recent

Co-investigator, Kenny Michigan Rehabilitation Foundation (Warschausky), "Family Variables as Moderators of Adjustment and Development of Children with Cerebral Palsy Post-Dorsal Rhizotomy," 1990-91, (\$9,760.00 direct costs), 10%

National Institutes of Health (NIH) Rehabilitation Research Training Center grant, Director of Medical Student Programming, 1992-2000, 5%

Principle Investigator, United Cerebral Palsy Research & Educational Foundation Clinical Fellowship Grant, 1995-1998, \$15,000 per year, 15%

Principle Investigator, National Institute on Disability and Rehabilitation Research (NIDRR), NIH, "Treatment of Upper Extremity Spasticity with Botulinum Toxin: Motor Control Evaluation to Determine Response," 1996-1998, \$124,992 per year, 10%.

Principle Investigator, Allergan, participant in "A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel Study of the Safety and Efficacy of BOTOX® (Botulinum Toxin Type A) Purified Neurotoxin Complex for the Treatment of Increased Muscle Tone of the Lower Limb Resulting in Abnormal Gait Associated with Pediatric Cerebral Palsy," 2000-2001, \$28,000, 5%

### Current

Principle Investigator, NIDRR, "Repetitive Intensive Training Exercises: Effect on Upper Extremity Motor Function in Spasticity," 2000-2003, \$150,000 per year, 20%

Principle Investigator, Allergan, "Botulinum Toxin and Strengthening in Cerebral Palsy," 2000-2002, \$85,000 per year, 10%

NIDRR (Warschawsky), "Identifying Social Integration Needs during Transition to Adulthood following Traumatic Brain Injury," 2000-2003, 150,000 per year, 3%

Co-Director, National Institutes of Health (NIH) Rehabilitation Research Training Center grant, 2001-2006, \$920,815 current year, 10%

C.S. Mott Children's Hospital Research Fund, "Bilateral Activation of the Upper Extremity in Children with Unilateral Upper Extremity Motor Control Impairment", July 2002, \$23,333, 0%

## **CERTIFICATION AND LICENSURE**

-Medical Licensure: Michigan, 1988

-Board Certification:

-Diplomate of the National Board of Medical Examiners, #292754, 1984

-American Board of Physical Medicine and Rehabilitation, #3055, 1989

-American Board of Electrodiagnostic Medicine, 1990

## **MILITARY SERVICE**

None

## **HONORS AND AWARDS**

-Phi Beta Kappa, 1980

-McKenzie Honor Society, 1980

-Howard A. Donnelly Award for class valedictorian, 1980

-Silver Crutch, Excellence in Teaching, from Residents, Department of Physical Medicine and Rehabilitation, University of Michigan, 1991

-AACPDM Demonstration Poster Award, 1994

-"You're Super!" award, employee recognition, University of Michigan Health System, 2000

## **MEMBERSHIPS AND OFFICES IN PROFESSIONAL - SOCIETIES**

-American Academy of Physical Medicine and Rehabilitation, 1985-present

-Member, Pediatric Interest Group, 1988-present

-Member, Committee on Subspecialty Certification, 1989

-Chair, Program Committee, 1991-1997

-Vice President, 1997-1999

-President, 1999-2002

-Chair, Fellowship Directors Committee, 2002-present

-American Academy of Cerebral Palsy and Developmental Medicine, 1989-present

-Member, Acquired Disabilities Committee, 1992-1995

-Member, International Membership Committee, 2000 to present

-Michigan Academy of Physical Medicine and Rehabilitation, 1985-1999

-American Congress of Rehabilitation Medicine, 1985-present

-Michigan Association of Infant Mental Health, 1989-1993

-Association of Academic Physiatrists, 1989-1995

-American Academy of Electrodiagnostic Medicine, 1990-present

-National Stroke Association, 1992-1998

## **TEACHING ACTIVITIES**

House Staff Training in Physical Medicine and Rehabilitation, University of Michigan Medical School, 1989-present

Director of Medical Student Education, Department of Physical Medicine and Rehabilitation, University of Michigan Medical School, 1990-1999, 2001-present

Mentor, Summer Research Fellowship Program, Department of Physical Medicine and Rehabilitation, University of Michigan, 1990-present

Small Group Leader and Multidisciplinary Conference Lecturer for University of Michigan students, 1992-1997

Member, M2 Neurosciences committee, University of Michigan Medical School, 1992-present

PMR 510: Methods in Rehabilitation, offered through Rackham School of Graduate Studies, University of Michigan, Course Director, 1994 to present

Doctoral dissertation committee, Gerry Conti, OTR, M.S., candidate for Doctor of Philosophy degree, title: Coordination of Bimanual Force Production in Older Adults, 1996-Present

Doctoral dissertation committee, Sandra McKay, M.S., candidate for Doctor of Philosophy degree in neurosciences, 2001 to present

Kinesiology 320, lectured on Cerebral Palsy, University of Michigan, January 26, 2000, March 5, 2001, and January 28, 2002

## **NATIONAL INVITED PRESENTATIONS**

1. "Neurosurgical Treatment for Cerebral Palsy", Continuing Medical Education Lecture, Sinai Hospital, Detroit, Michigan, December 12, 1989.
2. "Cerebral Palsy", Pediatric Rehabilitation Nursing Core Program, Ann Arbor, Michigan, February 15, 1990.
3. "The Selective Dorsal Rootlet Rhizotomy", Core Presentation, Department of Pediatric/Perinatal/Psychiatric Nursing, University of Michigan Medical Center, Ann Arbor, Michigan, September 27, 1990.
4. "Heterotopic Ossification in Pediatric and Adolescents with Traumatic Brain Injury", instructional course presented at the American Academy of Physical Medicine and Rehabilitation/American Congress of Rehabilitation Medicine Annual Meetings, Phoenix, Arizona, October, 1990.
5. "Rhizotomy", at Advances in Rehabilitation Nursing: Clinicians Speak, Ann Arbor, Michigan, May 17, 1991.
6. "An Update on Pediatric Rehab", presented at Pediatric Rehabilitation: A Family Affair, SSM Rehabilitation Institute, St. Louis, Missouri, May, 1991.
7. "Selective Posterior Rhizotomy: Controversies and Consensus", instructional course presented at the American Academy of Physical Medicine and Rehabilitation/American Congress of Rehabilitation Medicine Annual Meetings, Washington, D.C., October, 1991.

8. "The Treatment of Spasticity in Children", Pediatric Grand Rounds, Hurley Medical Center, Flint, Michigan, September, 1992.
9. "Pediatric Brain Tumor Rehabilitation: Directions in Research", Instructional Course Presentation, American Academy of Physical Medicine and Rehabilitation Annual Meeting, Miami, Florida, October, 1993.
10. "Nonsurgical Management of Spasticity", Instructional Course Presentation, (Course Director) American Academy of Physical Medicine and Rehabilitation Annual Meeting, Miami, Florida, October, 1993.
11. "Management of Cerebral Palsy", Pediatric Grand Rounds, St. Joseph's Medical Center, Pontiac, Michigan, December, 1993.
12. Brown RW, Grady EA, Van Laanan CJ, Dean JM, Hurvitz EA, Nelson VS, Roloff DW: Home Use of Bilateral Positive Airway Pressure Ventilation for Chronic Respiratory Failure in Children. Presented at the ALA/ATS International Conference, Boston, 1994.
13. "Practice Parameters in Pediatric Rehabilitation", Pediatric Special Interest Group Forum, (Course Director). American Academy of Physical Medicine and Rehabilitation Annual Meeting, Anaheim, California, October, 1994.
14. "Practice Opportunities in Pediatric Rehabilitation", Focus Session, (Facilitator). American Academy of Physical Medicine and Rehabilitation Annual Meeting, Anaheim, California, October, 1994.
15. Pediatric Back Pain", Michigan State Medical Society, Dearborn, Michigan, November, 1994.
16. Brown RW, Grady EA, Van Laanen CJ, Dean JM, Hurvitz EA, Nelson VS, Roloff DW: Home use of bi-level positive airway pressure (BLPAP) ventilation for chronic respiratory failure in children. American Association for Respiratory Care, Las Vegas, Nevada, December 1994.
17. "Selective Dorsal Rhizotomy, The University of Michigan Experience", keynote address at Cerebral Palsy: A Comprehensive Approach, Educational Services for Nursing Conference, University of Michigan Medical Center, Ann Arbor, Michigan, March, 1995.
18. "Rehabilitation of Spinal Cord Injury", guest lecture presented at Rehabilitation Institute of Michigan, Detroit, Michigan, June 16, 1995.
19. "Sports Injury in Children and Adolescents", Oakwood Hospital, Dearborn, Michigan, July 19, 1995.
20. "Back Pain in Children and Adolescents", Kalamazoo Center for Medical Studies, Bronson Methodist Hospital, Kalamazoo, Michigan, September 8, 1995.
21. "Pediatric Back Pain," Instructional Course Presentation, American Academy of Physical Medicine and Rehabilitation Annual Meeting, Orlando, Florida, November, 1995.
22. Sealove B, Warschusky S, Argento A, Hurvitz EA: Attention and Memory in Children with Acquired versus Congenital Insult. Annual meeting of the International Neuropsychology Society, Orlando, Florida, 1996.
23. "Rehabilitation of the Pediatric Trauma Patient: the Team Approach," Conference on the Pediatric Trauma Patient, Washtenaw Intermediate School District and University of Michigan Rehabilitation Nursing, Ypsilanti, Michigan, March, 1996.

24. "Functional Outcome Measurement in Pediatric Rehabilitation," Instructional Course Presentation, (Course Director) American Academy of Physical Medicine and Rehabilitation Annual Meeting, Chicago, Illinois, October, 1996.
25. "Botulinum Toxin Injections for Spasticity Treatment," Physical Medicine and Rehabilitation Grand Rounds, Sinai Hospital of Detroit-DMC, Detroit, Michigan, February 28, 1997.
26. "Update on Spasticity Management," Conference on the Future of Children with Disabilities, Washtenaw Intermediate School District and University of Michigan Rehabilitation Nursing, Ypsilanti, Michigan, April, 1997.
27. Specter R, Warschausky S, Argento A, Hurvitz EA: Functional Independence and Social Competence in Children With Cerebral Palsy. Presented at the biennial meeting of the Society for Research in Child Development, Washington, DC, April, 1997.
28. "Children with Disabilities," Pediatric Grand Rounds, Hurley Medical Center, Flint, Michigan, April, 1997.
29. "Berg ML, Warschausky S, Hurvitz E: Relations between memory and social cognition in children with disabilities. Annual Meeting of the American Psychological Association, Chicago, Illinois, 1997.
30. Rhizotomy Outcomes," Seminar on Spasticity Management in Children and Adults, Detroit, Michigan, October 10, 1997.
31. "Pathophysiology of Spasticity / Treatment Overview / Surgical Management," Conference on Spasticity Management, Ann Arbor, Michigan, October 28, 1997.
32. "A New Look at the Upper Extremity: Qualitative and Quantitative Evaluation," Instructional Course Presentation, American Academy of Physical Medicine and Rehabilitation Annual Meeting, Atlanta, Georgia, November, 1997.
33. "Childhood Stroke: Update on Functional Outcome and Management," Instructional Course Presentation, (Course Director) American Academy of Physical Medicine and Rehabilitation Annual Meeting, Atlanta, Georgia, November, 1997.
34. "Examination of the Child for Common Orthopedic Problems," Instructional Course Presentation, (Course Director) American Academy of Physical Medicine and Rehabilitation Annual Meeting, Seattle, Washington, November, 1998.
35. "Alternative Medicine, an Alternative view," Conference on Establishing Sound Foundations in Children with Disabilities, Washtenaw Intermediate School District and University of Michigan Rehabilitation Nursing, Ypsilanti, Michigan, April, 1999.
36. "Pediatric Back Pain," Conference on Back Pain and Disability, University of Michigan Spine Center, Ann Arbor, Michigan, May, 1999.
37. "Pediatric Rehabilitation Research: Growth and Development," Instructional Course Presentation, (Course Director) American Academy of Physical Medicine and Rehabilitation Annual Meeting, Washington, D.C, November, 1999.
38. Conti GE, Hurvitz EA, Brown SH: Task Dependent Changes in Upper Limb Motor Performance Following Botulinum Toxin Injection. Present at the Meeting of the European Neurosciences Academy, Brighton, England, 2000.

39. "Treating Smarter – Treating Better: Improving Your Choices for Spasticity Management", C. S. Mott Children's Hospital, Pediatric Rehabilitation Conference, Washtenaw Intermediate School District, Ann Arbor, Michigan, April, 2000.
40. "Rehabilitation in Hereditary Spastic Paraparesis," First International Symposium on Hereditary Spastic Paraparesis, Ann Arbor, Michigan, May, 2000.
41. "New Directions in Cerebral Palsy Treatment," Pediatric Neurology Grand Rounds, Mott Children's Hospital, Ann Arbor, Michigan, November, 2000.
42. "Hypertonic Symptoms in Childhood", Workshop conducted by the National Institutes of Health, Bethesda, Maryland, April 22-23, 2001.
43. "Acquired versus Congenital Disability," C. S. Mott Children's Hospital, Pediatric Rehabilitation Conference, Washtenaw Intermediate School District, Ann Arbor, Michigan, April, 2001.
44. Warschausky S, Dixon P, Argento A, Hurvitz E: Neuropsychological status and social problem-solving skill as predictors of social functioning of children with congenital or acquired brain dysfunction. Annual Florida Child Health Psychology Conference, Gainesville, Florida, April, 2001.
45. "Alternative Therapies for Kids," Oakland Schools Parents Advisory Committee "Growth for Families Conference, Troy, Michigan, October 19, 2001.
46. "Complementary and Alternative Therapies," West Bloomfield school district parent support group, West Bloomfield, Michigan, October 24, 2001.
47. "Pediatric Hypertonia Task Force--Scale development" Workshop conducted by the Carter Foundation, Dallas, Texas, January 12-14, 2002
48. "Botulinum Toxin A and Muscle Strengthening in Cerebral Palsy", Initial Report, American Academy of Physical Medicine and Rehabilitation Annual Meeting, New Orleans, Louisiana, September 2002.
49. "Developing the PRM Fellowship Curriculum", American Academy of Physical Medicine and Rehabilitation Annual Meeting, Orlando, Florida, November 2002.

## **COMMITTEE AND ADMINISTRATIVE SERVICES**

### *University Hospitals*

Administrative Committee, Pediatric Rehabilitation Team, 1989-present

Rhizotomy Team Leader, 1990-present

Pediatric Rehabilitation Conference Committee, 1994-present

Mott Research Fund Study Section, C. S. Mott Children's Hospital, 1998-present; chair 2001-present

### *Veterans Administration Medical Center*

Chief of Service, Rehabilitation Medicine Service, January, 1991-June, 1993 (Acting Chief in 1990)

### *Department of Physical Medicine and Rehabilitation*

Resident Selection Committee, 1989-1991

Director of Medical Student Education, 1990-1999 and 2001-present

Chairman, Quality Assurance Committee, 1993-1995

Faculty Search Committee, 1993, 2002

Physical Medicine and Rehabilitation Executive Committee, 1993-present

Research Advisory Committee, 1994-present

Faculty Salary Structure Committee, 1996 – Present

Promotions and Tenure Committee, 2003-present

*Medical School*

Clinical Academic Review Board, 1990-1993

Clinical Phase Curriculum Committee, 1990-1994

Committee for Student Biomedical Research, 1992-present

Phase II Neurosciences Committee, 1992-present

**COMMUNITY SERVICE**

Member, Board of Directors, Jewish Learning Network of Michigan, 1987-89

Member, Board of Directors, P'TACH (Educational programs for the Learning Disabled), 1989

Agency for Jewish Education, Conference Committee, 1991-present

**BIBLIOGRAPHY**

**Completed Publications in Scientific Journals**

*Peer Reviewed Publications*

1. Richter K, Hurvitz EA, Girardot K: Rigid removable dressing in a case of poor wound healing. *Arch Phys Med Rehabil* 69:128-129, 1988.
2. Hurvitz EA, Ellenberg M, Lupo R, Honet JC, Sjogren JL, Iannace L: Orthotic technique for dystonia musculorum deformans. *Arch Phys Med Rehabil* 69:892-894, 1988.
3. Hurvitz EA, Ellenberg M, Lerner AM, Pope S, Wirthlin L: Ultrasound imaging of residual limbs: new use for an old technique. *Arch Phys Med Rehabil* 70:556-558, 1989.
4. Hurvitz EA, Nelson VS: Characteristics of pediatric rehabilitation training offered by Physical Medicine and Rehabilitation residencies. *Am J Phys Med Rehabil* 70:81-85, 1991.
5. Hurvitz EA, Mandac BR, Davidoff G, Johnson JH, Nelson VS: Risk factors for heterotopic ossification in children and adolescents with severe traumatic brain injury. *Arch Phys Med Rehabil* 73:459-462, 1992.
6. Richardson JK, Ching C, Hurvitz EA: The relationship between electromyographically documented peripheral neuropathy and falls. *J Am Geriatrics Society*, 40:1008-1012, 1992.
7. Mandac BR, Hurvitz EA, Nelson VS: Hyperthermia associated with baclofen withdrawal and increased spasticity. *Arch Phys Med Rehabil* 74:96-97, 1993.
8. Silverman SI, Hurvitz EA, Nelson VS, Chiodo A: Rachitic syndrome after disodium etidronate for therapy in an adolescent. *Arch Phys Med Rehabil* 75(1):118-120, 1994.
9. Richardson JK, Hurvitz EA: Peripheral neuropathy: a true risk factor for falls. *J Gerontology* 50A(4):M211-M215, 1995.
10. Carroll JC, Nelson VS, Hurvitz EA, Priebe M: Home mechanical ventilation in mitochondrial encephalomyopathy syndrome. *Arch Phys Med Rehabil* 76:1014-1016, 1995.

11. Vullo VJ, Richardson JK, Hurvitz EA: Hip, knee and foot pain during pregnancy and the postpartum period. *J Fam Pract* 43:63-68, 1996.
12. Nelson VS, Carroll JC, Hurvitz EA, Dean JM: Home mechanical ventilation of children: Parameters of change in fifteen years of experience. *Devel Med Child Neurol* 38:704-715, 1996.
13. Hornyak JE, Nelson VS, Hurvitz EA: The use of methylphenidate in paediatric traumatic brain injury. *Ped Rehabil* 1:15-17, 1997.
14. Ramos E, Latash MP, Hurvitz EA, Brown SH: Quantification of upper extremity function using kinematic analysis. *Arch Phys Med Rehabil* 78:491-496, 1997.
15. Richardson JK, Chung T, Schultz JS, Hurvitz EA: A familial predisposition toward lumbar disc injury. *Spine* 22:1487-93, 1997.
16. Van Hala S, Nelson VS, Hurvitz EA, Panzi A, Bloom DA, Ward MJ: Bladder management in patients with pediatric onset neurogenic bladders. *J Spinal Cord Med* 20:410-415, 1997.
17. Bahng SC, Van Hala S, Nelson VS, Hurvitz EA, Roloff DW, Grady EA, Lewis CC: Parental report of pediatric tracheostomy care. *Arch Phys Med Rehabil* 79:1367-69, 1998.
18. Goetz L, Hurvitz EA, Nelson VS, Waring W: Bowel management in children and adolescents with spinal cord injury. *J Spinal Cord Med* 21:331-341, 1998.
19. Hurvitz EA, Beale L, Reid S, Nelson VS: Functional outcome of paediatric stroke survivors. *Ped Rehabil* 3:43-51, 1999.
20. Lumeng JC, Nelson VS, Hurvitz EA: Perinatal spinal cord injury requiring long-term home mechanical ventilation: a report of four cases. *Ped Rehabil* 3:53-58, 1999.
21. Hurvitz EA, Richardson JK, Werner RA, Ruhl A, Dixon M: Unipedal stance testing as an indicator of fall risk among older outpatients. *Arch Phys Med Rehabil* 81:587-91, 2000.
22. Hurvitz EA, Conti GE, Flansburg EL, Brown SH: Motor control testing of upper limb function after botulinum toxin injection: A case study. *Arch Phys Med Rehabil* 81:1408-15, 2000.
23. Hurvitz EA, Richardson JK, Werner RA: Unipedal stance testing in the assessment of peripheral neuropathy. *Arch Phys Med Rehabil* 82:198-204, 2001.
24. Warschausky S, Hurvitz E, Argento A, Berg ML. Neuropsychological correlates of social problem solving in children with congenital and acquired brain dysfunction. In *Press, Rehabilitation Psychology*, 2002.

*Articles Accepted for Publication*

1. Hurvitz EA, Conti GC, Brown SH. Functional changes of the upper extremity following botulinum toxin injection. Accepted by *Arch Phys Med Rehabil*, 2001.
2. Hurvitz EA, Warschausky S, Berg ML, Tsai S. Long-term functional outcome of pediatric stroke survivors. Accepted by *Topics in Stroke Rehabilitation*, 2002.

3. Hurvitz EA, Leonard C, Ayyangar RN, Nelson VS: Complementary and alternative medicine use in families of children with cerebral palsy. *Developmental Medicine and Child Neurology*. Accepted 2003.

*Articles Submitted for Publication*

1. NIH task force on childhood motor disorders: Definitions of disorders causing hypertonia in childhood. Submitted to *Developmental Medicine and Child Neurology*, 2001.

*Chapters in Books*

1. Hurvitz EA, Nelson VS: Spasticity: Functional evaluation of spasticity as it affects rehabilitation and habitation. *in* Betz R and Mulcahey MJ (Eds): The Child with a Spinal Cord Injury. Rosemont, IL: American Academy of Orthopedic Surgeons, 1996.
2. Hurvitz EA: Cerebral Palsy. *In* O'Young B, Young MA, Stiens SA (Eds.): Physical Medicine and Rehabilitation Secrets. Philadelphia, PA: Hanley & Belfus, Inc., pp. 407-412, 1996.
3. Hurvitz EA, Ayyangar R: Cerebral Palsy. *In* O'Young B, Young MA, Stiens SA (Eds.): Physical Medicine and Rehabilitation Secrets (second edition). Philadelphia, PA: Hanley & Belfus, Inc., 2002.
4. Benjamin S, Trovato M, Hurvitz EA, Daley L, Greenbaum M, Developmental Milestones. *In* O'Young B, Young MA, Stiens SA (Eds.): Physical Medicine and Rehabilitation Secrets (second edition). Philadelphia, PA: Hanley & Belfus, Inc., 2002.
5. Green L, Ayyangar R, Hurvitz EA. Spasticity Management. *in* Brammer CM and Spires MC: Manual of Physical Medicine and Rehabilitation. Philadelphia, PA: Hanley & Belfus, Inc., 2002.

*Non-Peer Reviewed Publications*

1. Hurvitz EA: Phenol Blocks: A treatment for focal problems from spasticity. *Rehabil Clinic* 1:(1)4-5, 1989.
2. Hurvitz EA, Leonard JA, Venes JL, Nelson VS: Electrodiagnostic findings in selective dorsal rootlet rhizotomy and their correlation to clinical picture. *Rehabil Frontiers* 1:(3) 6-7, 1989.
3. Hurvitz EA, Mandac BM, Johnson JH, Nelson VS: Heterotopic ossification in pediatric traumatic brain injury. *Rehabil Frontiers* 1:(3) 5, 1989.

*Abstracts (Presentations at National Meetings)*

1. Hurvitz EA, Ellenberg M, Lupo R, Honet JC, Sjogren JL, Iannace L: Orthotic technique for dystonia musculorum deformans. *Arch Phys Med Rehabil* 69:892-894, 1988.
2. Hurvitz EA, Ellenberg M, Learner AM, Pope S, Wirthlin L: Ultrasound imaging of residual limbs: new use for an old technique. *Arch Phys Med Rehabil* 70:556-558, 1989.
3. Nelson VS, Hurvitz, EA: Home ventilation of a patient with X-linked myotubular myopathy. *Devel Med Child Neur* 31: (Supplement) 44, 1989.

4. Hurvitz EA, Nelson VS: Characteristics of pediatric rehabilitation training offered by physical medicine and rehabilitation residencies. *Arch Phys Med Rehabil* 70: (Supplement) A-33, 1989.
5. Hurvitz EA, Leonard JA, Venes JL, Nelson VS: Electrodiagnostic findings in selective dorsal rootlet rhizotomy and their correlation to clinical picture. *Arch Phys Medi Rehabil* 70: (Supplement) A-44, 1989.
6. Hurvitz EA, Mandac BM, Johnson JH, Nelson VS: Heterotopic ossification in pediatric traumatic brain injury. *Arch Phys Med Rehabil* 70: (Supplement) A-44, 1989.
7. Mandac BM, Hurvitz EA, Nelson VS: Hyperthermia associated with baclofen withdrawal and increased spasticity. *Arch Phys Med Rehabil* 70: (Supplement) A-46, 1989.
8. Nelson VS, Hurvitz EA: Perinatal spinal cord injury requiring prolonged ventilation. *Arch Phys Med Rehabil* 70: (Supplement) A-20, 1989.
9. Nelson VS, Hurvitz EA: Home ventilation of an adolescent with fazio londe syndrome. *Arch Phys Med Rehabil* 71:770, 1990.
10. Nelson VS, Hurvitz EA: Home ventilation of patients with myotubular myopathy. *Arch Phys Med Rehabil* 71:770, 1990.
11. Reid SR, Hurvitz EA, Uffner S, Nelson VS: Functional outcome of pediatric stroke survivors. *Arch Phys Med Rehabil* 72:788, 1991.
12. Warschausky SA, Hurvitz EA, Nelson VS, Jordan C: Family variables as moderators of adjustment and development after dorsal rhizotomy. *Arch Phys Med Rehabil*, 72:835, 1991.
13. Hurvitz EA: Lower extremity pain in young adults with spastic diplegia relieved by phenol blocks. *Arch Phys Med Rehabil* 73:967, 1992.
14. Tallio DG, Hurvitz EA, Nelson VS: Rehabilitation management and functional outcome in arthrogryposis. *Arch Phys Med Rehabil* 73:967, 1992.
15. Vullo VJ, Richardson JK, Hurvitz EA: Lower extremity pain in women of childbearing age. *Arch Phys Med Rehabil* 74:1251, 1993.
16. Nelson VS, Carroll JC, Hurvitz EA: Home mechanical ventilation: parameters of change in fifteen years of experience. *Devel Med Child Neurol* 70: (supplement) 35, 1994.
17. Hurvitz EA, Taylor S, Bragg W, Muraszko K, Nelson VS: Efficacy of inpatient rehabilitation on children and adolescents with brain tumors: risk factor analysis and functional outcome. *Arch Phys Med Rehabil* 75:1030, 1994.
18. Ramos E, Latash M, Hurvitz EA, Brown SH: Bilateral coordination during reaching movements in children with ataxia. *Arch Phys Med Rehabil* 75:1052, 1994.
19. Ward MJ, Hurvitz EA, Nelson VS, Washer L, Oh J: Long term functional outcomes in children following hypoxic-ischemic encephalopathy. *Arch Phys Med Rehabil* 76:1037, 1995.
20. Goetz LL, Hurvitz EA, Nelson VS, Waring WW: Bowel management in children and adolescents with spinal cord injury. *Arch of Phys Med Rehabil* 76:1065, 1995.

21. Im D, Hurvitz EA, Nelson VS, Muraszko K: Abnormal L3 EMG and lesioning during selective dorsal rhizotomy associated with high rate of subsequent adductor tenotomy. *Arch Phys Med Rehabil* 76:1067, 1995.
22. Van Hala SN, Nelson VS, Hurvitz EA, Panzl A, Bloom DA, Ward MJ: Bladder management in myelomeningocele and pediatric onset spinal cord injury. *Arch Phys Med Rehabil* 77: 963, 1996.
23. Hornyak JE, Hurvitz EA, Nelson VS: Inaccuracy of judgment testing in mental status examination: the stamped envelope test. *Arch Phys Med Rehabil* 77: 989, 1996.
24. Gormley M, Hurvitz EA, Murr S, Windorski J: The effect of botulinum toxin A on gait in cerebral palsy. *Arch Phys Med Rehabil* 77:922, 1996.
25. Hornyak JE, Giaccolletti-Argento A, VanDeinse D, Driver L, Warschausky S, Nelson VS, Hurvitz EA: The effects of amantadine in pediatric traumatic brain injury. *Arch Phys Med Rehabil* 77:963, 1996.
26. Augenstein K, Nelson VS, Hurvitz EA: Ventilator-assisted adolescents: quality of life. *Arch Phys Med Rehabil* 77: 963, 1996.
27. Hurvitz EA, Ried S, Beale L, Nelson VS, Uffner S: Long term functional outcome of pediatric stroke survivors. *Arch Phys Med Rehabil* 78:1043, 1997.
28. Hurvitz EA, Werner RA, Richardson JK, Ruhl A, Dixon M: Unipedal stance testing and falls. *Arch Phys Med Rehabil* 78:1028, 1997.
29. Hurvitz EA, Werner RA, Richardson JK, Ruhl A, Dixon M: Unipedal stance testing in the assessment of neuropathy. *Arch Phys Med Rehabil* 78:1026, 1997.
30. Bahng S, Van Hala S, Nelson VS, Hurvitz EA: Parental report of pediatric home tracheostomy care: supplies, techniques and pneumonia. *Devel Med Child Neurol* 39: (Supp 75) 26-27, 1997.
31. Hurvitz EA, Flansburg EL, Conti GE, Brown SH: The use of motor control testing to evaluate response to botulinum toxin in the upper extremity. *Arch Phys Med Rehabil* 79:1177, 1998.
32. Warschausky S., Berg M., Hurvitz E. Neuropsychological status and social problem solving in children with cerebral palsy or traumatic brain injury. *Devel Med Child Neurol* 40, Suppl. 78, 34, 1998.
33. Dyer E., Warschausky S., Hurvitz E. Psychological effects of medical interventions in children with cerebral palsy. *Devel Med Child Neurol* 40:(Suppl. 78) 34, 1998.
34. Nelson VS, Warschausky SA, Hurvitz EA, Friedman ME, Berg M: Perceived quality of life of adults with myelodysplasia. *Devel Med Child Neurol* 41:(Supp 80) 42, 1999.
35. Nelson VS, Warschausky SA, Brennan PJ, Hurvitz EA, Hernandez M: Long-term quality of life outcomes in ventilator-assisted spinal-cord-injured children. *Topics in Spinal Cord Injury Rehabil* (Supp 6) 246-247, 2000.
36. Hurvitz EA, Warschausky SA, Berg ML, Tsai S: Long-term outcome of pediatric stroke survivors. *Devel Med Child Neurol* 42:44, 2000.
37. Hurvitz EA, Conti GE, Brown SH: Botulinum toxin treatment for the spastic upper extremity: comparison between motor control testing and clinical tests. *Arch Phys Med Rehabil* 81:1263, 2000.
38. Hurvitz EA, Conti GE, Flansburg EL, Brown SH: Developmental assessment of upper extremity movement

and pinch force generation in normal children and in children with myelodysplasia using motor control testing techniques. Arch Phys Med Rehabil 81:1290, 2000.

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