


Stanford



Rod Hentz

Professor of Surgery, Emeritus

Surgery - Plastic & Reconstructive Surgery

 Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Surgery - Plastic & Reconstructive Surgery
- Member, Bio-X

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

1. Nerve regeneration and repair, evaluation of repair methods, modalities to enhance peripheral nerve regeneration, development of improved methods to analyze nerve regeneration.
2. Implementation of functional neuromuscular stimulation to paralytic deformities.
3. Computer modeling of upper limb function.

Teaching

COURSES

2018-19

- Plastic Surgery: SURG 209 (Aut)

Publications

PUBLICATIONS

- **The Treatment of Dupuytren Disease** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Desai, S. S., Hentz, V. R.
2011; 36A (5): 936-942
- **Biceps-to-triceps transfer technique.** *journal of hand surgery*
Endress, R. D., Hentz, V. R.
2011; 36 (4): 716-721
- **Collagenase clostridium histolyticum for Dupuytren's contracture** *EXPERT OPINION ON BIOLOGICAL THERAPY*
Desai, S. S., Hentz, V. R.
2010; 10 (9): 1395-1404

- **Collagenase injection as nonsurgical treatment of Dupuytren's disease: 8-year follow-up.** *journal of hand surgery*
Watt, A. J., Curtin, C. M., Hentz, V. R.
2010; 35 (4): 534-?
- **The management of the upper limb in incomplete lesions of the cervical spinal cord** *HAND CLINICS*
Hentz, V. R., Leclercq, C.
2008; 24 (2): 175-?
- **MOC-PS(SM) CME article: self-assessment and performance in practice: the carpal tunnel.** *Plastic and reconstructive surgery*
Hentz, V. R., Lalonde, D. H.
2008; 121 (4): 1-10
- **Dupuytren's Disease: History, Diagnosis, and Treatment** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Shaw, R. B., Chong, A. K., Zhang, A., Hentz, V. R., Chang, J.
2007; 120 (3): 44E-54E
- **Tumours of the hand** *LANCET ONCOLOGY*
Hsu, C. S., Hentz, V. R., Yao, J.
2007; 8 (2): 157-166
- **Is microsurgical treatment of brachial plexus palsy better than conventional treatment?** *HAND CLINICS*
Hentz, V. R.
2007; 23 (1): 83-?
- **Variability in surgical technique for brachioradialis tendon transfer. Evidence and implications.** *journal of bone and joint surgery. American volume*
Murray, W. M., Hentz, V. R., Fridén, J., Lieber, R. L.
2006; 88 (9): 2009-2016
- **Activation of brachioradialis muscles transferred to restore lateral pinch in tetraplegia.** *journal of hand surgery*
Johanson, M. E., Hentz, V. R., Smaby, N., Murray, W. M.
2006; 31 (5): 747-753
- **Congenital brachial plexus exploration.** *Techniques in hand & upper extremity surgery*
Hentz, V. R.
2004; 8 (2): 58-69
- **Identification of key pinch forces required to complete functional tasks** *JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT*
Smaby, N., Johanson, M. E., Baker, B., Kenney, D. E., Murray, W. M., Hentz, V. R.
2004; 41 (2): 215-223
- **Biomechanics of the Steindler flexorplasty surgery: a computer simulation study.** *journal of hand surgery*
Saul, K. R., Murray, W. M., Hentz, V. R., Delp, S. L.
2003; 28 (6): 979-986
- **Three-dimensional hyaluronic acid grafts promote healing and reduce scar formation in skin incision wounds.** *Journal of biomedical materials research. Part B, Applied biomaterials*
Hu, M., Sabelman, E. E., Cao, Y., Chang, J., Hentz, V. R.
2003; 67 (1): 586-592
- **Injury to the dorsal sensory branch of the ulnar nerve in the arthroscopic repair of ulnar-sided triangular fibrocartilage tears using an inside-out technique: a cadaver study.** *journal of hand surgery*
McAdams, T. R., Hentz, V. R.
2002; 27 (5): 840-844
- **Surgical strategy: matching the patient with the procedure** *HAND CLINICS*
Hentz, N. R.
2002; 18 (3): 503-?
- **Reconstruction of the hand in Apert syndrome: A simplified approach** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Chang, J., Danton, T. K., Ladd, A. L., Hentz, V. R.

2002; 109 (2): 465-470

- **Gene expression of transforming growth factor beta isoforms in interposition nerve grafting.** *journal of hand surgery*
Karanas, Y. L., Bogdan, M. A., Lineaweaver, W. C., Hentz, V. R., Longaker, M. T., Chang, J.
2001; 26 (6): 1082-1087
- **Surgeon-patient barrier efficiency monitored with an electronic device in three surgical settings** *WORLD JOURNAL OF SURGERY*
Hentz, V. R., Stephanides, M., Boraldi, A., Tessari, R., Isani, R., Cadossi, R., Biscione, R., Massari, L., Traina, G.
2001; 25 (9): 1101-1108
- **Improvement of schwann cell attachment and proliferation on modified hyaluronic acid strands by polylysine** *TISSUE ENGINEERING*
Hu, M., Sabelman, E. E., Tsai, C., Tan, J., Hentz, V. R.
2000; 6 (6): 585-593
- **Hand and wrist injuries in young athletes** *HAND CLINICS*
Le, T. B., Hentz, V. R.
2000; 16 (4): 597-?
- **Plastic surgeons in American hand surgery: The past, present, and future** *68th Annual Meeting of the American-Society-of-Plastic-and-Reconstructive-Surgeons*
Chang, J., Hentz, V. R., Chase, R. A.
LIPPINCOTT WILLIAMS & WILKINS.2000: 406-12
- **Presidential address: How shall we teach? How shall we learn? Educating hand surgeons in the new millennium.** *journal of hand surgery*
Hentz, V. R.
2000; 25 (4): 608-615
- **Polypeptide resurfacing method improves fibroblast's adhesion to hyaluronan strands** *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH*
Hu, M., Sabelman, E. E., Lai, S., Timek, E. K., Zhang, F., Hentz, V. R., Lineaweaver, W. C.
1999; 47 (1): 79-84
- **Enhancement of axon growth by detergent-extracted nerve grafts** *TRANSPLANTATION*
Dumont, C. E., Hentz, V. R.
1997; 63 (9): 1210-1215
- **A composite nerve graft system: Extracted rat peripheral nerve injected with cultured Schwann cells** *MUSCLE & NERVE*
Dumont, C. E., Bolin, L. M., Hentz, V. R.
1996; 19 (1): 97-99
- **Surgical reconstruction in tetraplegia. Procedure and Hand Surgery.** -
Vincent R. Hentz, Amy Ladd
1996
- **The role of microsurgical flap procedure in a medical center. Advances in Plastic and Reconstructive Surgery. 2** -
Lineaweaver WC, Hui K, Ramos D, Hentz VR, Norris M, Steinberg G
1995
- **Thumb reconstruction and pollicization by conventional techniques. Mastery of Plastic and Reconstructive Surgery.** -
Vincent R. Hentz
1994
- **EXTENSOR DIGITI-MINIMI TENDON TRANSFER TO PREVENT RECURRENT ULNAR DRIFT** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Pearl, R. M., Hentz, V. R.
1993; 92 (3): 507-510
- **The nerve gap dilemma: a comparison of nerves repaired end to end under tension with nerve grafts in a primate model.** *journal of hand surgery*
Hentz, V. R., Rosen, J. M., Xiao, S. J., McGill, K. C., Abraham, G.
1993; 18 (3): 417-425
- **Reconstruction of brachial plexus injuries. Operative Hand Surgery.** -
Vincent R. Hentz

1993

- **Rehabilitation and surgical reconstruction of the upper limb in tetraplegia: an update.** *journal of hand surgery*
Hentz, V. R., House, J., McDowell, C., Moberg, E.
1992; 17 (5): 964-967
- **A PRACTICAL GUIDE TO INTERNATIONAL LEECH TRANSPORTATION** *ANNALS OF PLASTIC SURGERY*
Stephanides, M., Rosen, J. M., Hentz, V. R., SAMUELS, S. I.
1992; 29 (3): 282-283
- **BRACHIAL-PLEXUS MICROSURGERY IN CHILDREN** *MICROSURGERY*
Hentz, V. R., Meyer, R. D.
1991; 12 (3): 175-185
- **Cloward technique for obtaining iliac crest bone graft in hand surgery.** *journal of hand surgery*
BRODY, G. A., Hentz, V. R.
1990; 15 (1): 181-183
- **DIGIT REPLANTATION APPLYING THE LEECH HIRUDO-MEDICINALIS** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
BRODY, G. A., Maloney, W. J., Hentz, V. R.
1989; 133-137
- **FASCICULAR TUBULIZATION - A COMPARISON OF EXPERIMENTAL NERVE REPAIR TECHNIQUES IN THE CAT** *ANNALS OF PLASTIC SURGERY*
Rosen, J. M., Pham, H. N., Hentz, V. R.
1989; 22 (6): 467-478
- **EFFECT OF LOW-FREQUENCY LOW-ENERGY PULSING ELECTROMAGNETIC-FIELD (PEMF) ON X-RAY-IRRADIATED MICE** *EXPERIMENTAL HEMATOLOGY*
Cadossi, R., Hentz, V. R., Kipp, J., EIVERSON, R., Ceccherelli, G., Zucchini, P., Emilia, G., Torelli, G., Franceschi, C., Cossarizza, A.
1989; 17 (2): 88-95
- **AN APPROACH TO MANDIBULAR RECONSTRUCTION** *ANNALS OF PLASTIC SURGERY*
Pearl, R. M., Lepore, V., Hentz, V. R., SARIG, A.
1988; 21 (5): 401-417
- **SURGICAL RECONSTRUCTION IN TETRAPLEGIA** *HAND CLINICS*
Hentz, V. R., Hamlin, C., KEOSHIAN, L. A.
1988; 4 (4): 601-607
- **REPETITIVE TRAUMA AND NERVE COMPRESSION** *ORTHOPEDIC CLINICS OF NORTH AMERICA*
Carragee, E. J., Hentz, V. R.
1988; 19 (1): 157-164
- **THE RESULTS OF MICRONEUROSURGICAL RECONSTRUCTION IN COMPLETE BRACHIAL-PLEXUS PALSY - ASSESSING OUTCOME AND PREDICTING RESULTS** *ORTHOPEDIC CLINICS OF NORTH AMERICA*
Hentz, V. R., NARAKAS, A.
1988; 19 (1): 107-114
- **THE RADIAL FOREARM FLAP - A VERSATILE SOURCE OF COMPOSITE TISSUE** *ANNALS OF PLASTIC SURGERY*
Hentz, V. R., Pearl, R. M., Grossman, J. A., Wood, M. B., Cooney, W. P.
1987; 19 (6): 485-498
- **Application of free tissue transfers to the foot.** *Journal of reconstructive microsurgery*
Hentz, V. R., Pearl, R. M.
1987; 3 (4): 309-320
- **IMAGING STUDIES OF THE CADAVER HAND USING TRANSMISSION ULTRASOUND** *SKELETAL RADIOLOGY*
Hentz, V. R., Green, P. S., Arditi, M.
1987; 16 (6): 474-480