



PRACTICE SUMMARY

Chronic Pain, Numbness or Burning Due to Nerve Damage Following Surgery (or Trauma)

- Upper extremity (arm/hand) or lower extremity (leg/foot) pain after orthopedic or other surgeries
- Knee pain after knee replacement or arthroscopic surgeries
- Amputee pain (incl. phantom pain), following BKA, AKA, Foot/Hand, Toe/Finger amputation
- Lip/chin numbness or burning after dental implants or root canal procedures
- Tongue numbness, burning or pain after oral surgeries (molar extractions, jaw surgery)
- Breast pain after breast surgery (following cancer related reconstruction or breast reduction)
- Groin pain after inguinal hernia repair, orchiopexy, hysterectomy or C-section surgery

Chronic Headaches, Migraines, Occipital or Trigeminal Neuralgia, Despite Medical Care

- Post-Concussion Headaches after sports-related head injuries, hits or falls
- Whiplash-related Headaches following car accidents or falls
- Headaches/Occipital Neuralgia after previous craniotomy/head surgery
- Chronic headaches or migraines despite medical care, present > 6 months

Compression Neuropathies in Upper or Lower Extremities

- Carpal tunnel, Cubital tunnel, Radial nerve, Wrist drop, Thoracic outlet
- Peroneal neuropathy, Foot drop, Tibial nerve problems, Tarsal tunnel
- Meralgia Paresthetica (LFCN neuropathy), Mortons Neuroma

Traumatic Nerve Injuries

- Pain, numbness or functional loss due to falls, cuts, lacerations; after any trauma or surgery
- Post-Herpetic Neuralgia (chronic pain following Shingles)

Nerve Tumors

- Nerve tumors involving peripheral nerves in extremities or trunk (not spine or brain)

Plastic Surgery

- All aspects of Plastic, Reconstructive & Aesthetic Surgery

Highlights of Dr. Ducic's Leadership, Academic, Scientific and Clinical Contributions:

- Leadership:

- *President of the American Society for Peripheral Nerve (2011/2012)*
- *Founder & Director, Peripheral Nerve Surgery Institute*

- Academic / Research:

- *Professor of Surgery (Clinical)
Professor of Plastic Surgery & Neurosurgery*
- *Board Certified Plastic Surgeon*
- *Fellowship trained Nerve Surgeon, dedicated the entire additional one year of sub-specialized training in peripheral nerve surgery and nerve injuries*
- *PhD in Neurosciences*
- *Member of major Plastic Surgery societies*
- *Published over 90 original peer-reviewed scientific studies*
- *Gave over 150 invited talks, including national and international invited events*
- *Authored 15 book chapters*
- *Thought over 50 instructional courses*
- *Presented over 90 scientific papers on national and international meetings*
- *Faculty/Instructor on national and international nerve courses, teaching orthopedic, plastic, podiatric, ENT/oral surgeons, and neurosurgeons about newest innovations in nerve surgery, aimed to optimize patient safety & outcomes (about 10 courses annually, >500 surgeons)*

- Clinical / Scientific

Made significant scientific and original contributions for the treatment of:

- *Post-Concussion Headaches (Washington Post, November 3, 2013 front page article) for the first time clinically showing how nerve injuries and not concussion itself are responsible for chronic headaches in patients following sports or whiplash injuries*
- *Post-Operative Headaches for patients who had previous craniotomy for acoustic neuroma or other reasons who continued with occipital neuralgia and headaches, proving that their headaches are not "normal" to follow previous surgery*
- *Post-Traumatic Occipital Neuralgia or Frontal/Temporal Neuralgia related Headaches*
- *Chronic Headaches, Migraines, Occipital or Fronto-Temporal Neuralgia persistent despite medical care, defining the type and the role of surgical treatment, when other treatments failed, and in comparison with other treatments*
- *Chronic Post-Operative Breast Pain following breast reconstruction for breast cancer, defining nerve danger zones and establishing treatment protocols*

- *Designed important protocols for the treatment of nerve injury related chronic trunk, groin, oral, head/neck and extremity pain due to complications of various surgeries*
 - *Shingles-related chronic pain, established surgical treatment for selected PHN patients*
 - *Nerve Injuries – refined treatment algorithm using newest technologies*
 - *Popularized the role of the nerve connector for nerve reconstruction, optimizing microsurgical nerve repair*
 - *Established Minimally Invasive Peripheral Nerve Surgery techniques, via very small incisions for number of nerve surgeries, aimed to optimize patient outcomes*
 - *Introduced the nerve surgery complication classification, serving as a benchmark to others, suggesting nerve surgery can be done safely by well trained nerve surgeon*
 - *First to describe the nerve innervating medial epicondyle responsible for medial elbow pain*
 - *Raised awareness concerning lack of cost-effectiveness for routine neuroma pathology evaluation*
 - *Established the treatment algorithm and surgical approach for patients with amputation stump pain and phantom limb pain, helping many amputees*
 - *Defined the criteria when not to operate on patients with diabetic neuropathy, addressing patients safety by minimizing complications and improving outcomes*
 - *Established the treatment solutions for nerve related complications following various aesthetic surgery procedures*
 - *Defined the role of nerve surgery in the treatment of complex nerve injuries-related chronic regional pain syndromes (CRPS / RSD)*
- **Media:**
- *Featured in number of national TV & newspapers reports, outlining successful patient outcomes and practice principles, including international reports*
- **Worldwide Patient Demographics:**
- *Considering aforementioned, it is not surprising that patients from all over United States and different parts of the World came to seek Dr. Ducic's surgical expertise for their challenging nerve related problems, resistant to other medical treatments, including patients from:*
 - *United States (all 50 states, including Alaska, Hawaii & Puerto Rico)*
 - *Canada*
 - *Brazil*
 - *Sweden*
 - *United Kingdom*
 - *Croatia*
 - *Slovenia*
 - *Nederland*
 - *Cyprus*
 - *Australia*
 - *United Arab Emirates*