

CURRICULUM VITAE



Dr Vamshi Krishna Chand N

MBBS

M S Orthopaedics

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PERSONAL INFORMATION

Date of Birth : 06-01-1986

Sex : Male

Citizenship : Indian

Registration : India

Karnataka Medical Council [ANP20090000586KTK / 20-04-2016]

Andhra Pradesh Medical Council [63559 / 25-06-2009]

Address : C-503, Sumadhura Shikharam Apartments,
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State-Karnataka, India
Pin Code-560067

EDUCATION

Examinations	Name of College	University	Year of Passing
MBBS	Rangaraya Medical College, Kakinada, Andhra Pradesh	NTRUHS Vijayawada Andhra Pradesh	2003 to 2009
PG MS Orthopaedics	Vydehi Institute of Medical Sciences and Research Centre, Bengaluru, Karnataka	RGUHS Bengaluru Karnataka	2016 to 2019

EMPLOYMENT DETAILS

Period	Position	Specialty	Institute
July 2011 to March 2016	Fellow and Research Associate	Neurosciences and Regenerative Medicine	University of Maryland Baltimore, Maryland United States of America

EXPERIENCE AND SKILLS

Clinical Skills– Examining and diagnosing wide range of pathologies including trauma, degenerative diseases, paediatric and adult deformities, sports injuries, infections and tumors.

Surgical Skills

Performed:

1. ORIF and Plate Osteosynthesis for forearm bones, humerus, femur and tibia
2. Interlocking Intramedullary nailing for femur or tibial fractures
3. T plate or Buttress plate fixation for proximal humerus, distal radius, proximal tibia and distal Tibia
4. Cancellous screw fixation of hip femur neck fracture and tibial condyle fracture
5. Clavicular plate fixation.
6. K wire fixation for supracondylare fracture, distal radius fractures, Fractures of bones in hand or Foot.
7. Bimalleolar fracture fixation with tension band wiring, screw for medial malleoli

- and semitubular plate fixation for lateral malleoli for ankle
8. Dynamic Hip Screw fixation
 9. Repair of all Major and Minor tendon injuries
 10. Diagnostic Arthroscopy of Knee.
 11. Graft Harvesting and preparation for ACL, PCL and other Multiligament injuries of knee
 12. Discectomy
 13. Decompression
 14. Posterior stabilization
 15. Fusion: Postero Lateral and Interbody fusion
 16. Hemiarthroplasty of hip (Supervised)
 17. Posterior Lumbar interbody Fusion with Cage (Supervised)
 18. Transforaminal Lumbar Interbody Fusion with Cage (Supervised)

Assisted:

1. Total knee arthroplasty
2. Total Hip arthroplasty
3. Arthroscopic ACL, PCL, MCL and LCL reconstruction.
4. Hip Arthroscopy
5. Elbow arthroscopy
6. Complex Pelvi-Acetabular fracture fixation
7. Limb Salvage Surgeries and Hip and Knee replacement with modular prosthesis.
8. Nerve Transfer- Brachial Plexus Injuries
9. Calcaneal plate fixation
10. Cervical spine- Anterior cervical discectomy and fusion
11. Scoliosis – Deformity correction
12. Percutaneous Vertebral Biopsies
13. Vertebral tumors: Curettage, Decompression and stabilization

POST GRADUATE THESIS

**“COMPARISON OF FUNCTIONAL AND RADIOLOGICAL OUTCOMES OF
TRANSFORAMINAL LUMBAR INTERBODY FUSION (TLIF) AND
POSTEROLATERAL FUSION (PLF) IN LOW-GRADE
SPONDYLOLISTHESIS”**

RESEARCH AND PUBLICATION

CONFERENCE PAPERS

1. **Nimmagadda VK.**, Comparison of functional and radiological outcomes of Transforaminal lumbar interbody fusion (TLIF) and Posterolateral fusion (PLF) in low-grade spondylolisthesis. Bangalore Orthopedic Society conference, April 29, 2018
2. **Nimmagadda VK.**, Transforaminal Lumbar Interbody Fusion for Low Grade Lumbar Spondylolisthesis: Clinical and Radiological outcomes. KOACON Feb 2,3. 2019
3. **Nimmagadda VK.**, Evaluation of functional outcome of Limb salvage surgery in distal femur and proximal tibia tumors using a modular resection endoprosthesis. KOACON Feb 2,3. 2019
4. **Nimmagadda VK.**, Aneurysmal Bone Cyst of Calcaneum: Case report. KOACON Feb 2,3. 2019

PEER REVIEWED JOURNAL ARTICLES/ABSTRACTS

1. Mubariz F, Bryant JL, **Nimmagadda VKC**, Ray J, Makar TK. AQP4 and HIVAN. *Exp Mol Pathol.* 2018 Aug;105(1):71-75.
2. Makar T, **Nimmagadda VK**, Guda PR, Hampton B, Huang W, Kane MA, Fishman PS, Pessac B, Bever CT Jr, Trisler D. A subset of mobilized human hematopoietic stem cells express germ layer lineage genes which can be modulated by culture conditions. *Stem Cell Res Ther.* 2018 May 2;9(1):127.
3. Bryant JL, Guda PR, Asemu G, Subedi R, Ray S, Khalid OS, Shukla V, Patel D, Davis H, **Nimmagadda VKC**, Makar TK. Glomerular mitochondrial changes in HIV associated renal injury. *Exp Mol Pathol.* 2018 Jun;104(3):175-189.
4. Bryant JL, Guda PR, Ray S, Asemu G, Sagi AR, Mubariz F, Arvas MI, Khalid OS, Shukla V, **Nimmagadda VKC**, Makar TK. Renal aquaporin-4 associated pathology in TG-26 mice. *Exp Mol Pathol.* 2018 Jun;104(3):239-249.
5. **Nimmagadda VK**, Makar TK, Chandrasekaran K, Sagi AR, Ray J, Russell JW, Bever CT Jr. SIRT1 and NAD⁺ precursors: Therapeutic targets in multiple sclerosis a review. *J Neuroimmunol.* 2017 Mar 15;304:29-34.
6. Makar TK, **Nimmagadda VK**, Singh IS, Lam K, Mubariz F, Judge SI, Trisler D, Bever CT Jr. TrkB agonist, 7,8-dihydroxyflavone, reduces the clinical and pathological severity of a murine model of multiple sclerosis. *J Neuroimmunol.* 2016 Mar 15;292:9-20.
7. Makar, T.K., Gerzanich, V., **Nimmagadda,V.K.C.**, Jain, R., Lam, K., Mubariz, F., Trisler, D., Ivanova, S., Woo, S.K., Kwon, M.S., Bryan, J., Bever, C.T. & Simard, J.M. Silencing of Abcc8 or inhibition of newly upregulated Sur1-Trpm4 reduce inflammation and disease progression in experimental autoimmune encephalomyelitis. *J*

- Neuroinflammation. 2015 Nov 18;12:210.
8. **Nimmagadda V**, Makar T, Lam K, Judge SI, Trisler D, Bever, CT. Treatment of Experimental Allergic Encephalomyelitis with 7,8 Dihydroxyflavone: Evidence for Neuroprotection. *Neurology* April 6, 2015 vol. 84 no. 14 Supplement P2.187.
 9. Choi J, Ravipati A, **Nimmagadda V**, Schubert M, Castellani RJ, Russell JW. Potential roles of PINK1 for increased PGC-1 α -mediated mitochondrial fatty acid oxidation and their associations with Alzheimer disease and diabetes. *Mitochondrion*. 2014 Sep;18:41-8.
 10. Makar TK, **Nimmagadda VK**, Trisler D, Bever CT Jr. Cell-Based Delivery of Brain-Derived Neurotrophic Factor in Experimental Allergic Encephalomyelitis. *J Interferon Cytokine Res*. 2014 Aug;34(8):641-7.
 11. **Nimmagadda VK**, Bever CT, Jain R, Judge SI, Trisler D, Makar TK. The effect of glatiramer acetate treatment on mitochondrial fission/fusion in Experimental Autoimmune Encephalomyelitis. *Int J MS Care*. 2014; 16(suppl 3): 67
 12. **Nimmagadda VK**, Bever CT, Vattikunta NR, Talat S, Ahmad V, Nagalla NK, Trisler D, Judge SI, Royal W 3rd, Chandrasekaran K, Russell JW, Makar TK. Overexpression of SIRT1 protein in neurons protects against experimental autoimmune encephalomyelitis through activation of multiple SIRT1 targets. *J Immunology*. 2013 May 1;190(9):4595-607. Epub 2013 Apr 1.
 13. **Nimmagadda VK**, Makar TK, Russell JW, Chandrasekaran K, Trisler D, Judge SI, Nagalla NK, Bever CT. Sirtuin 1 in Experimental Allergic Encephalomyelitis. *Int J MS Care*. 2013;15(suppl 3):29.
 14. Makar TK, **Nimmagadda VK**, Trisler D, Judge SI, Nagalla NK, Bever CT. Interferon-Beta Reduces Mitochondrial Distress in EAE. *Int J MS Care*. 2013;15(suppl 3):28.
 15. Makar TK, **Nimmagadda VK**, Patibandla GK, Le T, Judge SI, Trisler D, Bever CT. Use of engineered bone marrow stem cells to deliver brain derived neurotrophic factor under the control of a tetracycline sensitive response element in experimental allergic encephalomyelitis. *J Neuroimmunology*. 2012 Nov 15;252(1-2):1-15.. Epub 2012 Aug 17.
 16. Pessac B, **Nimmagadda VK**, Makar T, Fishman PS, Bever CT Jr, Trisler D. Adult hematopoietic progenitors are multipotent in chimeric mice. *C R Biol*. 2012 Jul;335(7):454-62. Epub 2012 Jun 29.
 17. Makar TK, Nooli N, **Nimmagadda VK**, Patibandla GK, Chakravarty R, Judge SI, Maiti A and Bever CT. BDNF receptor TrkB modulates voltage-gated K⁺ (Kv) 1.5 channel protein expression. *FASEB J*. March 17, 2011 25:561.6

PEER REVIEWED ONLINE PUBLICATIONS (ABSTRACTS)

1. **Nimmagadda VK**, Lam K, Bever CT, Judge SI, Trisler D, Makar TK. Glatiramer acetate confers neuroprotection in experimental autoimmune encephalomyelitis through

- activation of SIRT1. Program No. 223.05/G6. 2014 Neuroscience. Washington DC, November 15-19, 2014.
2. Trisler D, **Nimmagadda VK**, Tandukar B, Bever CT, Judge SI, Makar TK. 7, 8 dihydroxyflavone suppresses optic neuritis in experimental autoimmune encephalomyelitis. Program No. 224.16/J11. 2014 Neuroscience. Washington DC, November 15-19, 2014.
 3. **Nimmagadda VK**, Lam K, Bever CT, Judge SI, Trisler D, Makar TK. Effect of 7, 8-dihydroxyflavone on Th1, Th2 and Th17 cytokine production in an animal model of multiple sclerosis. Program No. 317.10/V9. 2014 Neuroscience. Washington DC, November 15-19, 2014.
 4. Bever CT, **Nimmagadda VK**, Jain R, Judge SI, Trisler D, Makar TK. The role of glatiramer acetate in mitochondrial dynamics and biogenesis in EAE. MS Boston, September 10-13, 2014.
 5. **Nimmagadda VK**, Bever CT, Judge SI, Trisler D, Makar TK. Role of SIRT1 and TrkB signaling pathway on neuroprotection in experimental allergic encephalomyelitis. Program No. 344.21/FF8. 2013 Neuroscience. San Diego, LA: Society for Neuroscience, 2013. Online.
 6. Makar TK, **Nimmagadda VK**, NagallaNK, Judge SI, Trisler D, Bever CT. Activation of TrkB signaling reduces disease severity by anti-inflammatory response in an animal model of Multiple Sclerosis. Program No. 377.14/III36.2013 Neuroscience. San Diego, LA: Society for Neuroscience, 2013. Online.
 7. TrislerD, **NimmagaddaVK**, Bever CT, Judge SI, MakarTK. Mitochondria as a target of neuroprotection caused by Interferon- β in experimental allergic encephalomyelitis. Program No. 441.01/Z3. 2013 Neuroscience. San Diego, LA: Society for Neuroscience, 2013. Online
 8. **Nimmagadda VK**, Bever CT, Talat S, Judge SI, Royal W, Trisler D, Makar TK. Nampt and Sirt1 pathway and neuroprotection. Program No. 767.09/U17. 2012 Neuroscience. New Orleans, LA: Society for Neuroscience, 2012. Online.
 9. Bever CT, **Nimmagadda VK**, Talat S, Judge SI, Tsymbalyuk O, Gerzanich V, J. M. Simard, Trisler D, Makar TK. Effects of TrkB agonist in spinal cord injury. Program No. 450.06/J16. 2012 Neuroscience. New Orleans, LA: Society for Neuroscience, 2012. Online.
 10. Makar TK, **Nimmagadda VK**, Zaghlouleh ME, Vattikunta NR, Ahmad V, Balakrishnan S, Judge SI, Trisler D, Bever CT. 7,8-dihydroxyflavone reduces disease severity in experimental autoimmune encephalomyelitis. Program No. 685.01/RR19. 2012 Neuroscience. New Orleans, LA: Society for Neuroscience, 2012. Online
 11. Makar TK, **Nimmagadda VK**, Trisler D, Bever CT. CNTF gene delivery in a mouse model of Multiple Sclerosis. Program No. 127.07. 2011 Neuroscience. Washington, DC: Society for Neuroscience, 2011. Online.
 12. **Nimmagadda VK**, Zaghlouleh ME, Bever CT, Royal W, Makar TK. BDNF prevents

apoptosis in PC12 cells via downregulation of GSK-3 and activation of STAT-3. Program No. 39.07/D39. 2011 Neuroscience. Washington, DC: Society for Neuroscience, 2011. Online.

POSTER PRESENTATIONS

1. Nimmagadda VK., Treatment of Experimental Allergic Encephalomyelitis with 7,8 Dihydroxyflavone: Evidence for Neuroprotection. American Academy of Neurology, Washington DC, 2015.
2. Nimmagadda VK., Glatiramer acetate confers neuroprotection in experimental autoimmune encephalomyelitis through activation of SIRT1. Society for Neuroscience, Washington DC, 2014.
3. Nimmagadda VK., The Effect of Glatiramer Acetate Treatment on Mitochondrial Fission/Fusion in EAE, ACTRIMS, Dallas, 2014.
4. Nimmagadda VK., Sirtuin 1 in Experimental Allergic Encephalomyelitis, ACTRIMS, Orlando, 2013.
5. Nimmagadda VK., Interferon-Beta Reduces Mitochondrial Distress in EAE, Veteran Affairs Research Day, Baltimore, 2013.
6. Nimmagadda VK., Nampt and Sirt1 pathway and neuroprotection, Society for Neuroscience, New Orleans, 2012.
7. Nimmagadda VK., Effect of 7,8-dihydroxyflavone on experimental autoimmune encephalomyelitis: immunopathologic correlation with in vivo quantitative MR spectroscopy, Maryland Neuroimaging Retreat, University of Maryland, Baltimore, 2012.
8. Nimmagadda VK., 7,8-dihydroxyflavone reduces disease severity in experimental autoimmune encephalomyelitis, Veteran Affairs Research Day, Baltimore, 2012.
9. Nimmagadda VK., BDNF prevents apoptosis in PC12 cells via downregulation of GSK-3 and activation of STAT-3, Society for Neuroscience, Washington DC, 2011.
10. Nimmagadda VK., BDNF receptor TrkB modulates voltage-gated K⁺ (K_v) 1.5 channel protein expression, Experimental Biology, Washington DC, 2011.

COURSES AND CONFERENCES ATTENDED

1. KOACON Annual conference of Karnataka Orthopaedic Association – Feb 2019
2. Workshop: Usage of High Speed Burr in Spine- KOACON 2019
3. CME- Update on Rheumatoid Arthritis- MVJ Medical College and research Center- Dec 2018
4. CME- Pediatric Orthopedic Updates- Sri Devraj URS Medical College- Sept 2018
5. CME- KOA-ICL Belur. Karnataka Orthopedic Association Sept 2018
6. CME- Paper Presentation- KOA-ICL Madikeri. Karnataka Orthopedic Association May 2018

7. CME – Paper Presentation- Bangalore Orthopedic Society- April 2018
8. BOSCON Annual conference of Bengaluru Orthopaedic Society – March 2018
9. KOACON Annual conference of Karnataka Orthopaedic Association – Feb 2018
10. Live total knee replacement workshop- KOACON 2018
11. Bangalore Shoulder course- July 2017

HEALTH CAMPS

- Participated in several Medical camps conducted by Vydehi Institute of Medical Sciences and Research Centre.

LANGUAGES KNOWN

I am proficient in Telugu, Hindi, English and can communicate in Kannada.

REFERENCES

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Declaration:-

I do hereby declare that the above given statements are true and correct to the best of my knowledge.

VamshiKrishna Chand N

Date: 26 June 2019