

Curriculum Vitae of Dr. K.N. Prasad

Name: Kashi Nath Prasad

Designation: Professor

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Date of Birth: March 31, 1954

Citizen: Indian

Educational Qualification: MD (Banaras Hindu University, India)

Language Known: English, Hindi, Bengali

Areas of Interest

- Enteric pathogens with special reference to *Helicobacter pylori* and *Campylobacter* species.
- Central nervous system infections (brain abscess and neurocysticercosis).
- Antibiotic resistance in nosocomial pathogens.
- Infections in AIDS, transplants and CAPD patients.

Academic Awards, Honours /Fellowships/Training

Member, National Academy of Medical sciences, 2005

Best paper award at 10th Maharashtra State Chapter Conference of Pathologists and Microbiologists, 1988.

“International Society for Peritoneal Dialysis Fellowship” at Toronto Medical Laboratories/ Mount Sinai Hospital, Toronto, Canada 2003

Observership on **“Liver Transplant Associated Infections”** at King’s College London 2002.

Training on **“Short Course Parasitic Diseases: Advanced Laboratory Diagnosis”** at London School of Hygiene and Tropical Medicine (University of London) 1990.

Invited speaker on “Bacterial GI infections in AIDS/HIV: clinical significance and diagnosis” at **“World AIDS Congress”** in Florence, Italy from January 21 to 25, 2004.

Invited speaker on “Clinical Importance of Antimicrobial Drug Resistance” at Ehrlich II-2nd World Congress on Magic Bullets, Nurnberg, Germany from October 2-5, 2008

Research Activities

A) Project Completed- 14 (Funded by various National and International Agencies)

B) Thesis guided- PhD 7; MD 8; Thesis in progress- PhD 3.

Ongoing Research Projects as Principal Investigator:

1. Clinico-epidemiological and molecular characterization of ESBL producing *Klebsiella* spp. *E. coli*, and *Enterbacter* spp. causing nosocomial and community acquired infections by Indian Council of Medical Research (ICMR)
2. Prevalence of neurocysticercosis in asymptomatic rural pig farming community from high endemic area by ICMR
3. Immunopathogenesis of *Campylobacter jejuni* induced paralysis resembling Guillain-Barré syndrome in chickens by ICMR.
4. Immunopathogenesis of neurocysticercosis in naturally infected swine by Department of Science and Technology
5. Etiologic characterization and immunopathogenesis of brain abscess by ICMR
6. *Helicobacter pylori* and Epstein-Barr virus infection in patient with peptic ulcer and gastric cancer by SGPGIMS.

CME/ Workshop/ Conference organized: 10

Publications (peer reviewed): Total 120 (International-72; National-48)

Chapters in Book/Manual-7

Publications in International Journals (2008 onwards)

1. Kumar M, Gupta RK, Nath K, Rathore RKS, Bayu G, Trivedi R, Husain M, **Prasad KN**, Tripathi R P, Narayana P A. Can We Differentiate True White Matter Fibers from Pseudofibers inside Brain Abscess Cavity using Geometrical DTI metrics? *NMR BioMed* 2008; 21:581-8.
2. Malik GK, Trivedi R, Gupta A, Singh R, **Prasad KN**, Gupta RK. Quantitative DTI assessment of periventricular white matter changes in neonatal meningitis. *Brain Dev* 2008; 30: 334-341
3. Gupta RK, Nath K, Prasad A, **Prasad KN**, Husain M, Rathore RKS et al. In vivo demonstration of neuroinflammatory molecule expression in brain abscess with diffusion tensor imaging. *Am J Neuroradiol* 2008; 29: 326-32.
4. Prasad A, Gupta RK, Nath K, Pradhan S, Tripathi M, Pandey CM, **Prasad KN**. What Triggers Seizures in Neurocysticercosis?- A MRI Based Study in Pig Farming Community from a District of North India. *Parasitol Int* 2008; 57:166-71.

5. Prasad A, **Prasad KN**, Yadav A, Gupta RK, Pradhan S, Jha S, Tripathi M, Husain M. Lymphocyte transformation test: a new method for diagnosis of neurocysticercosis. *Diagn Microbiol Infect Dis* 2008; 61: 198-202.
6. Jain D, **Prasad, KN**, Sinha S. and Husain N. Differences in virulence attributes between cytolethal distending toxin positive and negative *Campylobacter jejuni* strains *J Med Microbiol* 2008; 57:267-72.
7. Saxena A, **Prasad KN**, Ghoshal UC, Bhagat MR, Krishnanai N, Husain N. Polymorphism of -765G > C *COX-2* is a risk factor for gastric adenocarcinoma and peptic ulcer disease in addition to *Helicobacter pylori* infection: A study from North India. *World J Gastroenterol* 2008; 14: 1498-503.
8. Saxena A, **Prasad KN**, Ghoshal UC, Bhagat MR, Krishnanai N, Husain N. Association of *Helicobacter pylori* and Epstein-Barr virus with gastric cancer and peptic ulcer disease. *Scand J Gastroenterol* 2008; 43: 669-674.
9. Singh M, **Prasad KN**, Yachha SK. Elongated *Helicobacter pylori* in gastric mucosa of children associated with gastric disease. *J Ped Infect Dis* 2008; 3:35-39
10. **Prasad KN**, Saxena A, Ghoshal UC, Bhagat MR, Krishnanai N. Analysis of Pro12Ala PPAR gamma polymorphism and *Helicobacter pylori* infection in gastric adenocarcinoma and peptic ulcer disease. *Annals Oncol* 2008; 19: 1299-1303.
11. Shukla R, Abbas A, Kumar P, Gupta RK, Jha S, **Prasad KN**. Evaluation of cerebral infarction in tuberculous meningitis by diffusion weighted imaging. *J Infect* 2008; 57: 298-306.
12. Dwivedi M, Misra A, Prasad A, Azim A, Singh RK, Baronia AK, **Prasad KN**. *Aeromonas caviae* septicemia in immunocompetent gastrointestinal carrier. *Braz J Infect Dis* 2008; 12: 547-8.
13. Prasad A, **Prasad KN**, Gupta RK, Pradhan S. Increased expression of ICAM-1 among symptomatic neurocysticercosis. *J Neuroimmunol* 2009: 206:118-20.
14. Nath K, Agarwal M, Ramola M, Husain M, **Prasad KN** et al. Role of diffusion tensor imaging matrix and in vivo proton resonance spectroscopy in the differential diagnosis of cystic intracranial mass lesions. *Magnetic Resonance Imaging* 2009; 27:198-206
15. **Prasad KN**, Prasad A, Gupta RK. Nath K, Pradhan S, Tripathi M, Pandey CM. Neurocysticercosis in Patients with Active epilepsy from Pig Farming Community of Lucknow District, North India. *Trans Roy Soc Trop Med Hyg* 2009; 103: 144-50.
16. Yadav A, Malik GK, Trivedi R, Prasad A, Nath K, **Prasad KN** et al. Correlation of CSF neuroinflammatory molecule with leptomeningeal cortical subcortical white matter fractional anisotropy in neonatal meningitis. *Magnetic Resonance Imaging* 2009; 27: 214-21.
17. Jain P, Jain S, **Prasad KN**, Jain SK, Vyas SP. Polyelectrolyte coated multilayered liposomes (nanoparticles) for the treatment of *Helicobacter pylori* infection. *Mol Pharm* 2009; 6: 593-603.

18. Malik GK, Yadav A, Trivedi R, Srivastava A, **Prasad KN**, Gupta RK. Temporal alterations in brain water diffusivity in neonatal meningitis. *Acta Paediatr* 2009 (in press).
19. Pal D, Bhattacharyya A, Husain M, **Prasad KN**, Pandey CM, Gupta RK. In vivo proton MR spectroscopy evaluation of pyogenic brain abscesses. *Am J Neuroradiol* 2009 (in press).
20. Nyati KK, **Prasad KN**, Verma A, Singh AK, Rizwan A, Sinha S, Paliwal VK, Pradhan S. Association of TLR4 Asp299Glyc and Thr399Ile polymorphisms with Guillain-Barre syndrome. *J Neuroimmunol* 2010; 218: 116-19.
21. Sinha S, **Prasad KN**, Nyati KK, Pradhan S, Agarwal S. Immunoglobulin IgG Fc-receptor polymorphism and HLA class II molecules in Guillain-Barre syndrome. *Acta Neurol Scand* DOI: 10.1111/j.1600-0404.2009.01229.
22. Nyati KK, **Prasad KN**, Rizwan A, Verma A, Paliwal VK. Lymphocyte transformation test detects a response to *Campylobacter jejuni* antigens in patients with Guillain-Barre syndrome. *Med Microbiol Immunol* 2010. DOI: 10.1007/s00430-010-0144-3.

National Journals

23. Goyal A, **Prasad A**, Ghoshal U, Prasad KN. Comparison of disk diffusion, disk potentiation and double disk synergy methods for detection of extended spectrum beta lactamases in *Enterobacteriaceae*. *Indian J Med Res* 2008; 128: 209-11.
24. **Prasad KN**, Prasad A, Verma A, Singh AK. Human cysticercosis and Indian scenario: A Review. *J Biosciences* 2008; 33:571-82.
25. Jain D, **Prasad KN**, Sinha S, Vishwakarma AL. Cytolethal distending toxin positive *Campylobacter jejuni* strains induce cell cycle arrest and apoptosis of epithelial cell line. *Indian J Med Res* 2009; 129: 418-23.
26. **Prasad KN**, Prasad A, Verma A. *Taenia solium* Taeniasis and Neurocysticercosis: Experience from North Indian Pig Farming Community. *Current Trends in Parasitology (Proceedings of 20th National Congress of Parasitology)* 2009; p13-20.
27. Goyal A, **Prasad KN**, Prasad A, Gupta S, Ghoshal U, Ayyagari A. Extended spectrum beta lactamases in Enterobacteriaceae and associated risk factors. *Indian J Med Res* 2009 129: 695-700.
28. Dwivedi M, Anshuman M, Singh RK, Afzal A, Baronia AK, **Prasad KN**. Nosocomial transmission of *Pseudomonas aeruginosa* between patients in a tertiary care unit. *Indian J Pathol Microbiol* 2009; 52: 509-13.
29. Dwivedi M, Mishra A, Afzal A, Singh RK, Baronia AK, **Prasad KN**, Dhole TN, Dwivedi UN. Ventilator associated pneumonia caused by carbapenem resistant Enterobacteriaceae carrying multiple metallo-beta-lactamase genes. *Indian J Pathol Microbiol* 2009; 52: 339-42.