

Sickle Cell Institute Chhattisgarh

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Publications:

1. **Bhaskar LVKS**, Murthy J, Gurramkonda VB. Relationship between reduced folate carrier gene polymorphism and non-syndromic cleft lip and palate in Indian population. *J Matern Fetal Neonatal Med*. 2014 May;22:1-4. [Epub ahead of print]
2. **Bhaskar LVKS**, Murthy J, Gurramkonda VB. Significant association of MTHFD1 1958G>A single nucleotide polymorphism with nonsyndromic cleft lip and palate in Indian population. *Med Oral Patol Oral Cir Bucal-* (AHEAD OF PRINT)
3. Ramprasad E, Soundararajan P, Gnanasambandan R, **Bhaskar LVKS**. Role of the endothelial nitric oxide synthase VNTR (intron 4 a/b) polymorphism on the progression of autosomal dominant polycystic kidney disease. *Journal of Renal Injury Prevention* 2014;3(3):69-73.
4. Hajarah H, Vinu R, Samathmika R, Teena S, Kiruthiha E, Venkatesh Babu G, Gnanasambandan R, **Bhaskar LVKS**. TCF7L2 rs7903146 polymorphism and diabetic nephropathy association is not independent of type 2 diabetes: A study in south Indian population and meta-analysis. *Endokrynol Pol* 2014; 65 (4): 158–165.
5. Ramanathan G, Elumalai R, Periyasamy S, Bhaskar LVKS. Role of Renin-Angiotensin-Aldosterone System Gene Polymorphisms and Hypertension-induced End-stage Renal Disease in Autosomal Dominant Polycystic Kidney Disease. *Iran J Kidney Dis*. 2014 Jul;8(4):265-77.

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6. Ramanathan G, Periyasamy S, **Bhaskar LVKS.** NOS3 tagSNPs does not modify the association between eGFR progression in ADPKD. *Nephrology (Carlton)*. 2014 May 13. doi: 10.1111/nep.12278. [Epub ahead of print]
7. Jyotsna M, Venkatesh Babu G, **Bhaskar L.V.K.S.** Clinical and demographic factors associated with cleft lip and palate in south India: a hospital based study. *International Journal of Latest Research in Science and Technology* 2014, Volume 3, Issue 3 : Page No. 80-83.
8. Thanikachalam S, Anbarasi , Harivanzan V, Saravanababu C, **Bhaskar LVKS.** (2014). Efficacy and Safety Profile of Siddha Compound Madhumega choornam (MMC) in Type II Diabetic Patients. *International Journal for Pharmaceutical Research Scholars*, 3(1), 322-329.
9. Jyotsna M., Saikrishna L., Venkatesh Babu G., Ram Mohan P., Rajasekhar M., **Bhaskar LVKS.** CBS c.844ins68 polymorphism frequencies in control populations: implications on nonsyndromic cleft lip with or without cleft palate. *The Cleft Palate-Craniofacial Journal* 2014 Jan 17. [Epub ahead of print]
10. Saikrishna L, Rajasekhar M, Munirajan AK, Ram Mohan P, Subrahmanyam BV, **Bhaskar LVKS.** CYP1A1 gene IVS1-728G>A and Ile462Val polymorphisms in south Indian populations. *Journal of Cell and Molecular Biology* 11(1&2):67-75, 2013.
11. Jyotsna M, Venkatesh Babu G, Nivedita K, Bhaskar LVKS. MTHFR C677T and A1298C polymorphisms and risk of nonsyndromic orofacial clefts in a south Indian population. *International Journal of Pediatric Otorhinolaryngology*, 2013 78(2) , 339-342.
12. Panchanathan E, Gnanasambandan R and **Bhaskar LVKS.** Effect of flupirtine on the growth and viability of U373 malignant glioma cells. *Cancer Biology and Medicine* 2013;10:142-147.
13. Jyotsna M., Venkatesh Babu G., Saikrishna L., Ram Mohan P., Rajasekhar M., **Bhaskar LVKS.** Endothelial nitric oxide synthase VNTR (intron 4 a/b) polymorphism association with nonsyndromic oral clefts. *Turkish Journal of Biochemistry*. 2013; 38 (3); 302–306.
14. Xavier D, Arif Y, Murali R, Kishore Kumar S, Vipin Kumar S, Tamang R, Thangaraj K, **Bhaskar LVKS.** Analysis of microsatellite polymorphisms in South Indian patients with non-syndromic cleft lip and palate. *Balkan J Med Genet*. 2013 Jun;16(1):49-54.

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15. Venkatesh Babu G, Jyotsna M, Altaf Hussain S, and **Bhaskar LVKS**. Evidence of association between IRF6 polymorphisms and nonsyndromic oral clefts in South Indian population. *Dentistry 3000*. Vol 1, No 1 (2013).
16. **Bhaskar LVKS**, Thangavelu M, Godla UR. Genetic variants associated with insulin signaling and glucose homeostasis in the pathogenesis of insulin resistance in polycystic ovary syndrome: a systematic review. *J Assist Reprod Genet*. 2013 Jul;30(7):883-95.
17. **Bhaskar LVKS**, and Arunkumar S. Polymorphisms in genes encoding dopamine signaling pathway and risk of alcohol dependence: a systematic review. *Acta Neuropsychiatr*. 2014 Apr;26(2):69-80.
18. Prabhu R, Ginila RT, Venkatesh Babu G, Soundararajan P and **Bhaskar LVKS**. PPAR γ Gene Polymorphisms and Diabetic Nephropathy. *Diabetes, Stoffwechsel und Herz* 2013; 22 (2); 75-79.
19. **Bhaskar LVKS**, Mahin S, Ginila RT, Soundararajan P. Role of the ACE ID and PPARG P12A Polymorphisms in Genetic Susceptibility of Diabetic Nephropathy in a South Indian Population. *Nephrourol Mon*. 2013 July 1; 5(3): 813–817.
20. Saikrishna L., Rajasekhar M., Munirajan AK., Ram Mohan P., Subrahmanyam BV., **Bhaskar LVKS**. EPHX1 gene polymorphisms among south Indian populations. *Mol Cell Toxicol* 2013; 9 (3):219-225.
21. Saikrishna L., Rajasekhar M., Venkatesh Babu G., Ram Mohan P., Subrahmanyam BV., **Bhaskar LVKS**. Gene Frequencies of the Human GSTT1 (null allele) and GSTP1 (Ile105Val) Polymorphisms among South Indian populations. *Advances in Cancer: Research & Treatment*, Vol. 2013, Article ID 784869, DOI: 10.5171/2013.784869.
22. Saikrishna L., Rajasekhar M., Munirajan AK., Ram Mohan P., Subrahmanyam BV., **Bhaskar LVKS**. Functional PstI/RsaI Polymorphism in CYP2E1 gene among south Indian populations. *Asian Pacific Journal of Cancer Prevention* 2013;14(1):179-182.
23. **Bhaskar LVKS**, Thangaraj K, Praveen Kumar K, Pardhasaradhi G, Lalji Singh and Rao V.R. Association between Neuropeptide Y gene polymorphisms and alcohol dependence: a case-control study in two independent populations. *European addiction research* 2013 19(6):307-313.
24. Raha O, Biswanath S, **Bhaskar LVKS**, Veerraju P, Sudhakar G, Subhankar C, Pradip R and Rao VR. HLA class II SNP interactions and the association with type 1 diabetes

Sickle Cell Institute Chhattisgarh

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mellitus in Bengali speaking patients of Eastern India. Journal of Biomedical Science 2013, 20:12 doi:10.1186/1423-0127-20-12.

25. **Bhaskar LVKS**, K. Thangaraj, Samiksha Wasnik, Lalji Singh and V. R. Rao. Dopamine transporter (DAT1) VNTR polymorphism and alcoholism in two culturally different populations of Nilgiri Hills. *The American Journal on Addictions*, 21: 343–347, 2012.
26. Kadakol G.S., Suyamindra S. Kulkarni, Bushan B. Kulkarni, Sujayendra S. Kulkarni, **Bhaskar LVKS**, Wali G.M., Datta Nadgir, Hiremath S.V., Gai P.B. Parkinson's disease in North Karnataka An epidemiological perspective. *Antrocom Online Journal of Anthropology (ISSN 1973 – 2880)* 2012, vol. 8. n. 1 – pages 1-4.
27. **Bhaskar LVKS**, K. Thangaraj Minarbha Patel, Anish M Shah, K. Gopal, L. Saikrishna, Rakesh Tamang, Lalji Singh and V. R. Rao. EPHX1 gene polymorphisms in alcohol dependence and their distribution among the Indian populations. *The American Journal of Drug and Alcohol Abuse* 2013, Vol. 39, No. 1, Pages 16-22. (DOI: 10.3109/00952990.2011.643991).
28. Lakshmi Balaji, Krishna Balaji Singh, **Bhaskar LVKS**. CYP1A1 genotypes and haplotypes and risk of oral cancer: a case-control study in South Indians. *Genetics and Molecular Biology* 2012; 32 (2).
29. Raha O, Sarkar BN, **Bhaskar LVKS**, Veerraju P, Chowdhury S, Mukherjee S, Biswas TK and Rao VR. Insulin (INS) promoter VNTR polymorphisms: interactions and the association with type 1 diabetes mellitus in Bengali speaking patients of Eastern India. *Diabetologia Croatica* 2011, 40 (4), 99-106.
30. Lakshmi Balaji, Krishna Balaji Singh, **Bhaskar LVKS**. An unlikely role for the NAT2 genotypes and haplotypes in the oral cancer of south Indians. *Arch Oral Biol*. doi:10.1016/j.archoralbio.2011.10.019.
31. Gururaj D Kulkarni, Suyamindra S Kulkarni, G. S. Kadakol, Bhushan B Kulkarni, Prakashgouda H K, **Bhaskar LVKS**, K Thangaraj, T A Sheapur, M L Kulkarni, P B Gai. Molecular basis of β-thalassemia in Karnataka, India. *Genetic Testing and Molecular Biomarkers* 2012;16 (2):138-141.
32. Lakshmi Balaji, K. Balaji Singh, **Bhaskar LVKS**. Genetic polymorphism of the CYP2E1 gene and susceptibility to oral cancer in south Indians. *Asian Pacific Journal of Cancer Prevention* 2011. vol. 12. Issue 6; 1559-63.

Sickle Cell Institute Chhattisgarh

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33. Shah AM, Tamang R, Moorjani P, Rani DS, Govindaraj P, Kulkarni G, Bhattacharya T, Mustak MS, **Bhaskar LVKS**, Reddy AG, Gadavi D, Gai PB, Chaubey G, Patterson N, Reich D, Tyler-Smith C, Singh L, Thangaraj K (2011) Indian Siddis: African Descendants with Indian Admixture. *Am J Hum Genet.* 89: 154-161. (doi.10.1016/j.ajhg.2011.05.030).
34. Liao YC, Chou WW, Li YN, Chuang SC, Lin WY, Lakkakula BV, Yu ML, Juo SH. Apelin gene polymorphism influences apelin expression and obesity phenotypes in Chinese women. *Am J Clin Nutr.* 2011 Sep;94(3):921-8.
35. Saikrishna L, **Bhaskar LVKS**, Rajasekhar M. (2011) Molecular genetics of non-syndromic clefts revisited. *International Journal of Genetics* 3 (1), 23-34.
36. Jaya Sanyal, **Bhaskar LVKS**, Avishek Chatterjee, Biswanath Sarkar, Bidhan Chandra Ray, and VR Rao. (2011) Single nucleotide polymorphisms of Parkin gene in ten Indian populations. *Antrocom Online Journal of Anthropology*, vol. 7. n. 1.pp.135-145. ISSN 1973-2880.
37. RamaLakshmi G., Bandyopadhyay S.S., **Bhaskar LVKS**, Sharma Madhubala, Rao Raghavendra V. (2011) Appraisal of risk factors for diabetes mellitus type 2 in central Indian population: a case control study. *Antrocom Online Journal of Anthropology*, vol. 7. n. 1-pp. 103-110. ISSN 1973-2880.
38. Lakshmi Balaji, **Bhaskar LVKS**, K. Balaji Singh, Solomon F.D. Paul. (2011) Lack of association between ephx1 genotypes and haplotypes with oral cancer in South Indians. *Genetic Testing and Molecular Biomarkers*, 15(9): 595-599.
39. Pramanik V., Sarkar BN., Kar M., Das G., Barman MK, Khannam SK., **Bhaskar LVKS**. and Rao VR. (2011) A Novel Polymorphism in codon 25 of KRAS Gene Associated with Gallbladder carcinoma Patients of Eastern Part of India. *Genetic Testing and Molecular Biomarkers* June 2011, Vol. 15, No. 6: 431-434.
40. **Bhaskar LVKS**, Jyotsna Murthy, G. Venkatesh Babu. (2011) Polymorphisms in genes involved in folate metabolism and orofacial clefts. *Arch Oral Biol.* 2011, 56, 723-737.
41. Ming-Ying Lu, **Bhaskar LVKS**, Yi-Chu Liao, Pei-Chien Tsai, Yi-Hsin Yang, Suh-Hang Hank Juo. Lack of association between the IL-10 gene polymorphisms and features of the metabolic syndrome. *Journal of Investigative Medicine* 2011;59(2):267-71.

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42. Gopi Chand M1, Srinath J, Rao RS, **Bhaskar LVKS**, Kumar S, Rao VR. Association between the M268T polymorphism in the angiotensinogen gene and essential hypertension in a South Indian population. *Biochem Genet.* 2011 Aug;49(7-8):474-82.
43. **Bhaskar LVKS**, Thangaraj K, Non AL, Singh L, Rao VR. Population-based case-control study of DRD2 gene polymorphisms and Alcoholism. *Journal of Addictive Diseases*, 29:475–480, 2010.
44. **Bhaskar LVKS**, Thangaraj K, Pardhasaradhi G, Praveen Kumar K, Singh L, Rao VR. Neuropeptide Y Gene Polymorphisms are Not Associated with Obesity in a South Indian Population. *European journal of clinical nutrition*, 2010; 64(8):868-872.
45. **Bhaskar LVKS**, Thangaraj K, Non, A.L, Praveen Kumar K, Pardhasaradhi G, Singh L, Rao VR. Neuropeptide Y gene functional polymorphism influences susceptibility to hypertension in Indian population. *Journal of Human Hypertension*, 2010; 24(9):617-622.
46. **Bhaskar LVKS**, Thangaraj K, Mulligan CJ, Wasnik S, Nandan A, Sharma VK, Sharma V, Reddy AG, Singh L, Rao VR. Dopamine transporter (DAT1) VNTR polymorphism in 12 Indian populations. *Neurol Sci.* 2009 Dec;30(6):487-93.
47. Murthy J and **Bhaskar LVKS**. Current concepts in genetics of Nonsyndromic clefts. *Indian J Plast Surg.* 2009, 42: 68-81.
48. Mukunda Goswami, Kumarasamy Thangaraj, Binod Chaudhary, **Bhaskar LVKS**, Achamveettil Gopalakrishnan, M Joshi, Lalji Singh, Wazir Lakra. Genetic heterogeneity in the Indian stocks of seahorse (*Hippocampus kuda* and *Hippocampus trimaculatus*) inferred from mtDNA cytochrome b gene. *Hydrobiologia* 2009 621:213–221.
49. **Bhaskar LVKS**, K. Thangaraj, Pallavi Subramanian, P.S Dandapani, Solomon F. D. Paul. Molecular genetic analysis of Neuropeptide Y (NPY) gene in patients with cardiac arrhythmia. *Sri Ramachandra Journal of medicine*, August 2008, 8-13.
50. **Bhaskar LVKS**, K. Thangaraj, C.J. Mulligan, A. Papa Rao, G. Pardhasaradhi, K. Praveen Kumar, Anish M. Shah, B. Sabeera, A.G. Reddy, Lalji Singh, V.R. Rao. Allelic Variation and Haplotype Structure of the Dopamine Receptor Gene DRD2 in Nine Indian Populations. *Genetic Testing and Molecular Biomarkers*. March 1, 2008, 12(1): 153-160.
51. Kumarasamy Thangaraj, Gyaneshwer Chaubey, Toomas Kivisild, Vijay Kumar Singh, Selvi-Rani Deepa, Thanseem Ismail, Denise Carvalho-Silva, Mait Metspalu, **Bhaskar LVKS**, Sharat Chandra, Niharika Adarsh, Abhilasha Verma, Inaganti Amara Jyothi,

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Chandana Basu Mallick, Nidhi Shrivastava, Ragala Devasena, Babita Kumari, Amit Kumar Singh, Shailendra Kumar Dhar Diwedi, Shefali Singh, Geeta Rao, Pranav Gupta, Kavita Kumari, Afsar Basha, K. R Bhargavi, Albert Lalremruata, Aravind Kumar Gupta, K. K. Reddy, A. Papa Rao, Alla G. Reddy, Richard Villem, Chris Tyler-Smith, Lalji Singh. "Maternal Footprints of Southeast Asians in North India". *Hum Hered* 2008;66:1-9 (DOI:10.1159/000114160).

52. **Bhaskar LVKS**, K. Thangaraj, Michael Osier, A.G. Reddy, A. Papa Rao, Lalji Singh and V. R. Rao. Single Nucleotide Polymorphisms of ALDH2 gene in six Indian populations. *Annals of Human Biology*, 34(6): 607-619; 2007.
53. B. Mohan Reddy, A.N. Srikanth Reddy, T. Nagaraju, **Bhaskar LVKS**, H.P. Singh, V. M. Naidu, K. Thangaraj, A. Govardhan Reddy, A. Nirmala, Lalji Singh. Anthropological Perspective of the Single Nucleotide Polymorphisms in the NPY and DRD2 Genes among the Socio-Economically Stratified Populations of Andhra Pradesh, India. *International Journal of Human Genetics*, 07(4): 277-284; 2007.
54. **Bhaskar LVKS**, K. Thangaraj, Anish M. Shah, G. Pardhasaradhi, K. Praveen Kumar, A.G. Reddy, A. Papa Rao, C. J. Mulligan, Lalji Singh and V. R. Rao. Allelic variation at the NPY gene in 14 Indian populations. *Journal of Human Genetics*, 52:592–598; 2007.
55. V. R. Rao, **Bhaskar LVKS**, Ch. Annapurna, A. G. Reddy, K. Thangaraj, A. Papa Rao and Lalji Singh. Single Nucleotide Polymorphisms in Alcohol Dehydrogenase (ADH) genes among Some Indian populations. *American Journal of Human Biology*, 2007: 19-338-344.
56. B. M. Reddy, A. N. S. Reddy, T. Nagaraja, **Bhaskar LVKS**, K. Thangaraj, A. G. Reddy and L. Singh. Single Nucleotide polymorphisms of the Alcohol Dehydrogenase Genes among the 28 caste and Tribal Populations of India. *International Journal of Human Genetics*, 2006. 6(4): 309-316.
57. Ismail Thanseem, Kumarasamy Thangaraj, Gyaneshwer Chaubey, Vijay K Singh, **Bhaskar LVKS**, Mohan B Reddy, Alla G Reddy and Lalji Singh. Genetic Affinities among the Lower Castes and Tribal Groups of India: Inference from Y Chromosome and Mitochondrial DNA. *BMC Genetics*, 2006, 7: 42 (<http://www.biomedcentral.com/1471-2156/7/42>).

Sickle Cell Institute Chhattisgarh

Phone: 0771-2280012, Fax: 0771-2885505, website: www.scic.co.in

58. **Bhaskar LVKS.** Moulting-modulating effect of serotonin in the crab *Oziotelphusa senex senex* (FABRICIUS). Bio-Science Research Bulletin. 2006, 22 (2), 105-109.
59. **Bhaskar LVKS.** Effects of biogenic amines on the regulation of ovarian development in the freshwater prawn, *Macrobrachium rosenbergii* (DE MAN, 1879). Bulletin of Pure & Applied Sciences. 2006, 25A (2), 135-143.
60. Venkatrayulu Ch, Komali M, **Bhaskar LVKS**, Kalarani V and Reddy D.C. "Hepatogonadal changes in the female freshwater field crab, *Oziotelphusa senex senex*(Fabricius) in response to cadmium toxicity" Proc. of AP Akademi of Sciences, 2005. 9 (1) 29-34.
61. **Bhaskar LVKS** and Rajeswara Rao M. "Inhibition of rat brain nitric oxide synthase activity by phosalalone in vitro" Bulletin of pure and applied science, 2000. 19A (2) 117-119.
62. Leela siva parvathi M, **Bhaskar LVKS**. and Chandra Sekhara Reddy D. "Impact of phosalalone on long term exposure and recovery of ammonia and urea excretion in fresh water fish, *Tilapia mossambica* (PETERS)" Journal of Ecotoxicology and Environmental Monitoring, 1999. Vol.9 (4) 221-224.