

Poster TFG: Possible association of polymorphisms of VAX1 gene in the development of non-syndromic cleft lip and/or palate: a systematic review

Lina ESBER,

References:

Yáñez-Vico RM, Iglesias-Linares A, Gómez-Mendo I, Torres-Lagares D, González-Moles MÁ, Gutierrez-Pérez JL, et al. A descriptive epidemiologic study of cleft lip and palate in Spain. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2012;114(SUPPL. 5).

Bernheim N, Georges M, Malevez C, De Mey A, Mansbach A. Embryology and epidemiology of cleft lip and palate. *Bent*. 2006;11–9.

Ahmed MK, Bui AH, Taioli E. Epidemiology of Cleft Lip and Palate. In: *Designing Strategies for Cleft Lip and Palate Care*. InTech. 2017;

Hernández-Díaz S, Werler MM, Walker AM, Mitchell AA. Folic Acid Antagonists during Pregnancy and the Risk of Birth Defects. *New England Journal of Medicine*. 2000 343(22):1608–14.

Hernandez RK, Werler MM, Romitti P, Sun L, Anderka M. Nonsteroidal antiinflammatory drug use among women and the risk of birth defects. *Am J Obstet Gynecol*. 2012;206(3):228.e1-228.e8.

Wright CY, Kapwata T, Wernecke B, Malherbe H, Bütow KW, Naidoo N, et al. The Risk of Orofacial Cleft Lip/Palate Due to Maternal Ambient Air Pollution Exposure: A Call for Further Research in South Africa. *Ann Glob Health*. 2023;89(1).

Mostowska A, Hozyasz KK, Wojcicka K, Biedziak B, Jagodzinski PP. Polymorphic variants at 10q25.3 and 17q22 loci and the risk of non-syndromic cleft lip and palate in the polish population. *Birth Defects Res A Clin Mol Teratol*. 2012;94(1):42–6.

Wang Q, Sun S, Song Q, Hu H, An J, Liu J. The risk of nonsyndromic cleft lip with or without cleft palate and Vax1 rs7078160 polymorphisms in southern Han Chinese. *Braz J Otorhinolaryngol*. 2021;87(6):718–22.

You Y, Shi J, Shi B, Jia ZL. Target sequencing reveals the association between variants in VAX1 and NSCL/P in Chinese population. *Oral Dis*. 2023;29(5):2130–8.

do Rego Borges A, Sá J, Hoshi R, Viena CS, Mariano LC, de Castro Veiga P, et al. Genetic risk factors for nonsyndromic cleft lip with or without cleft palate in a Brazilian population with high African ancestry. *Am J Med Genet A*. 2015;167(10):2344–9.

Butali A, Mossey PA, Adeyemo WL, Eshete MA, Gowans LJJ, Busch TD, et al. Genomic analyses in African populations identify novel risk loci for cleft palate. *Hum Mol Genet*. 2019;28(6):1038–51.

Aldharae KA, Böhmer AC, Ludwig KU, Esmail AHA, Al-Hebshi NN, Lippke B, et al. Nonsyndromic cleft lip with or without cleft palate in Arab populations: Genetic analysis of 15 risk loci in a novel case-control sample recruited in Yemen. *Birth Defects Res A Clin Mol Teratol*. 2014;100(4):307–13.

Peng L, Niu Z, Chen J, Wan T, Wu D, Yang Y, et al. Association of genetic polymorphisms of VAX1, MAFB, and NTN1 with nonsyndromic cleft lip with or without cleft palate in Chinese population. *Molecular Genetics and Genomics*. 2022;297(2):553–9.

Li D, Liu T, Meng X, Guo Q, Shi J, Hao Y, et al. Polymorphic variants in VAX1 and the risk of nonsyndromic cleft lip with or without cleft palate in a population from northern China. *Medicine (United States)*. 2017;96(14).

Velázquez-Aragón JA, Alcántara-Ortigoza MA, Estandia-Ortega B, Reyna-Fabián ME, Méndez-Adame CD, González-Del Angel A. Gene interactions provide evidence for signaling pathways involved in cleft lip/palate in humans. *J Dent Res*. 2016;95(11):1257–64.

Chai C, Cheng L, Jiao J, Dang J, Jin S. A Comprehensive Investigation on Potential Risk Factors for NSCL/P in a Rural District of Hebei Province, China. *Cleft Palate-Craniofacial Journal*. 2023;60(2):211–8.

Gowans LJJ, Adeyemo WL, Eshete M, Mossey PA, Busch T, Aregbesola B, et al. Association studies and direct DNA sequencing implicate genetic susceptibility loci in the etiology of nonsyndromic orofacial clefts in sub-Saharan African populations. *J Dent Res*. 2016;95(11):1245–56.