

A Study on Evaluation of Various Tongue Patterns in North Indian Population and a Working Classification System suggested: A pilot Study

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Abstract

Tongue is a vital organ which performs multiple actions such as articulation of speech, perception of taste, and formation of food bolus.

The tongue is the only internal organ which can be easily drawn out and displayed for inspection and palpation purposes.

By means of its shape and texture, its aspect and colour analysed in a particular moment, this organ is helpful due to its exposed portion comprising information with visible differences from one individual to another, and may be easily called and used as a "lingual impression".

The human tongue is encased within the oral cavity, where it lies isolated from and protected against the external environment, just as the palatine folds do, unlike the other notorious elements employed in human identification.

Hence, we, in this original study are describing the varied tongue patterns emphasizing the uniqueness of tongue.

Also we have included certain morphological features for assessment like tongue size, shape, colour, texture, margins and tip which has not been mentioned in the literature so far.

Considering these criteria, we have formulated a simple working classification system of tongue patterns.

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Biography

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REFERENCES

1. Stefanescu CL, Popa MF, Candea LS (2014) Preliminary study on the tongue-based forensic identification. Rom J Leg Med 22:263-6.
2. Zhi Liu, Jing-Qi Yan, David Zhang, Qun-Lin Tang (2007) A tongue-print image database for recognition. Proceedings of the Sixth International Conference on Machine Learning and Cybernetics: Hong Kong, 19-22. v. 4, p. 2235-8.
3. Radhika T, Jeddy N, Nithya S. Tongue prints: A novel biometric and potential forensic tool. J Forensic Dent Sci 2016;8:117-9.
4. Anastasi JK, Currie LM, Kim GH. Understanding diagnostic reasoning in TCM practice: Tongue diagnosis. Altern Ther Health Med 2009;15:18-28.
5. Zuo W, Wang K, Zhang D, Zhang H. Combination of polar edge detection and active contour model for automated tongue segmentation. Proceedings of Third International Conference of Image and Graphics; 2004:270-3.
6. Naaz R. Tongue biometric and its application in public use system. 3rd international conference on machine learning and computing.
7. Diwakar M, Maharshi M. An extraction and recognition of tongue-print images for biometrics authentication system. Int J Comput Appl 2013;61:36-42.
8. Nagalaxmi V, Ugrappa S, Naga Jyothi M, Ch L, Maloth KN, Kodangal S. Cheiloscopy, palatoscopy and odontometrics in sex prediction and dis-crimination – A comparative study. Open Dent J. 2015;8:269–79.