

Concluding what our study reveals is it:

- shows that *about 60% of the respondents have U shape tongue, about 23% have V shape tongue, about 10% have W shape and about 7% have asymmetrical shape of the tongue* suggesting the variability in the shape of the tongue. Although the ‘U’ shape is most common in both males and females.
- **It is very clear from our study that there is reasonable amount of difference in the geometrical shape of all the patients. The shape most common in our study in both males and female patients is u shaped which is, 190 patients out of 316**
- “Tongue fissures/cracks” (59% app) and “Smooth Tongue” are the two prominent surface textures amongst all the respondents.
- “Plaqued” (3%), “Geographic” (1%) and “Bifid” (1%) surface textures of the tongue are found in very less respondents.
- **It is noticed in our study that 187 patients out of 316 have tongue fissures and cracks on the surface and 111 patients have smooth tongue.**
- about 69% of the respondents, median septum is not visible in the tongue while in remaining 31% of the respondents, median septum is visible in the tongue.
- shows that in about 68% of the respondents, the apex is rounded. In another 24% of the respondents, the apex is pointed while in remaining 7% of the respondents, the apex is septate. **Septate being the least common type.**
- *shows that about 72% of the respondents have pink color tongue, about 24% of them have pale pink tongue and remaining about 4% have pinkish purple tongue.*

Gender

- 61% of the respondents are female while in remaining 39% of the respondents are male. Females have been more cooperative in terms of agreeing to be photographed for the study.

Age

- about 79% of the respondents are less than equal to 30 years while remaining 21% of the respondents are more than 30 years.

Statistical analysis also

- **concludes that the shape of the tongue differs based on gender.**
- shows that of the *female* respondents, about 5% respondents have asymmetrical shape, 61% have U shape, 27% have V shape and 7% have W shape. While

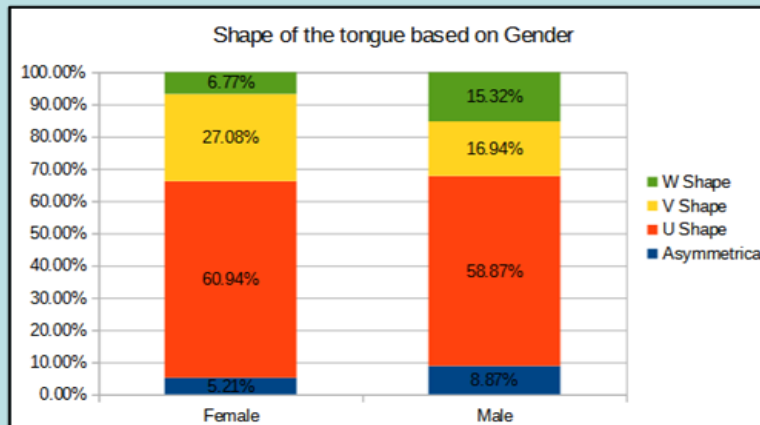
amongst the *male* respondents, about 9% respondents have asymmetrical shape, 59% have U shape, 17% have V shape and 15% have W shape. Again, stating that U shape is more common both in male and female patients.

- *concludes that the surface texture of the tongue differs based on gender.*
- *concludes that the apex of the tongue differs based on gender.*
- *concludes that the colour of the tongue differs based on gender.*
- *concludes that the median septum does not differ based on gender.*
- *concludes that the shape of the tongue does not differ based on age groups.*
- *concludes that the surface texture of the tongue does not differ based on age groups.*
- *concludes that the median septum does not differ based on age groups.*
- *concludes that the apex of the tongue does not differ based on age groups.*
- *concludes that the colour of the tongue differs based on age groups.*

- *(p<0.05) concludes that the shape of the tongue differs based on gender*
- *(p<0.05) concludes that the surface texture of the tongue differs based on gender.*
- *(p=0.077) concludes that the apex of the tongue differs based on gender.*
- *(p=0.443) concludes that the colour of the tongue differs based on gender.*
- *(p>0.05) concludes that the median septum does not differ based on gender.*

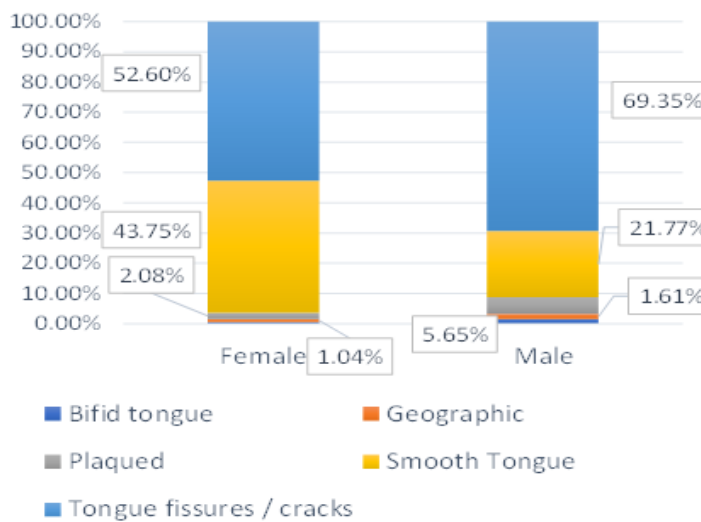
- *(p=0.69) concludes that the shape of the tongue does not differ based on age groups.*
- *(p=0.283) concludes that the surface texture of the tongue does not differ based on age groups.*
- *(p=0.375) concludes that the median septum does not differ based on age groups.*
- *(p=0.183) concludes that the apex of the tongue does not differ based on age groups.*
- *(p<0.05) concludes that the colour of the tongue differs based on age groups.*

Shape of the Tongue by Gender:

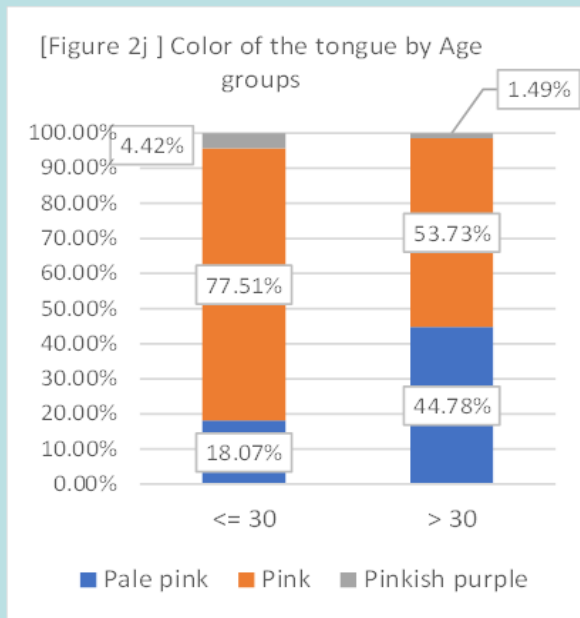


U shape most common in both males and females.
 V shape Females > males
 W shape Males > Females.
 P value < 0.016 Statistically significant
 Data from Other studies:* supporting

[Figure 2b] Surface Texture of the tongue by Gender



Smooth tongue Females > Males
 Fissures Males > Females
 P VALUE < 0.001 (HS) Which is highly significant



Colour of the Tongue

Pink colour age group (<= 30) > Age group (> 30)

p value = 0