**Original article:**

**Estimation of standard splenic index (SI) in Indian population: A CT scan based study**

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**Abstract:**

**Introduction:** Splenic index (SI) is commonly used tool to assess the splenic size by the radiologist specially. Though it is the crude indicator for assessment but advantageous because it is the easy, simple and rapid method of evaluation.

**Methods:** Current study was done to know the normal range of SI in Indian population which is lacking till date. CT scans data of normal adult were collected by ruling out any disorder affecting spleen. With the help of 3-D doctor software was used to calculate the SI. The SI was correlated with physical parameters of person with help of statistical software.

**Results:** one hundred twenty-six subjects were selected for study after confirming that there was no evidence of disease which could alter the size of spleen. The mean SI observed was 494.82±226.83 cm3without any sexual variation**.**  It has positive correlation with height, body surface area but negative with age.

**Conclusion:** Value of splenic index (SI) is high normal in comparison with developed nation may be due to endemic of parasitic and bacterial infection.

**Key words:** splenic index, CT-scan, splenomegaly, height, age.