Indian Journal of Basic and Applied Medical Research; December 2015: Vol.-5, Issue- 1, P. 25-29

**Case report**

**Variations of the superior thyroid artery and Internal jugular vein**

 **Dr. Mithu Paul1, Dr. Reshma Ghosh2, Dr. Chiranjit Samanta3, Dr. Manotosh Banerjee4, Dr. Saktipada Pradhan5, Dr. Maitreyee Kar6, Dr. Ashutosh Pramanik 7, Prof. (Dr.) Sudeshna Majumdar8**

**1**Junior Resident, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

2Junior Resident, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

3Junior Resident, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

4Junior Resident, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

5Junior Resident Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

6Associate Professor**,** Department of Anatomy and the Dean of Student’s Affair, North Bengal Medical College, Sushruta nagar, Darjeeling – 734012.West Bengal, India.

7Junior Resident Department of Anatomy, North Bengal Medical College, Sushrutanagar, Darjeeling – 734012.West Bengal, India.

8Professor and Head of the Department of Anatomy, North Bengal Medical College, Sushrutanagar, Darjeeling – 734012.

**Corresponding author:** Dr. Sudeshna Majumdar

**Abstract :**

The superior thyroid artery (STA) is the first branch of the external carotid artery. The Internal jugular vein is a large vein,collects bloodfrom the skull, brain, face and much of the neck. The extenal jugular vein is formed by the union of the posterior division of the retromandibular vein and the posterior auricular vein and drains into the subclavian vein at the level of the mid-clavicle.

While doing the routine dissection for MBBS students in the Department of Anatomy, NRS Medical College, Kolkata, in April, 2015, few vascular variations were found in the neck of two cadavers. The right sided superior thyroid artery arose from the point of bifurcation of the common carotid artery in one cadaver and in the other one vein, like the external jugular vein (with similarity in origin) ran in the anterior triangle of neck to drain into the internal jugular vein on left side. The knowledge of such variations is important for any invasive or surgical procedure in the neck. region.

**Key words :** superior thyroid artery, common carotid and external carotid arteries, external and internal jugular veins.