

In the abdomen the testicular artery supplies the perirenal fat, ureter, and iliac lymph node in the inguinal canal, it supplies the cremasteric muscle (خطأ! الإشارة المرجعية غير معرفة).

The testicular veins originated from a plexus in the scrotum called the pampiniform plexus (8-12 veins) which usually unite at the level of internal inguinal ring and drain into the inferior vena cava on the right and the left renal vein on the left (خطأ! الإشارة المرجعية غير معرفة).

Variations in the pattern of renal and gonadal arteries have been reported more frequently than other large vessels in the literatures and alternative nomenclatures have been used to describe the same. These include aberrant artery⁽⁹⁾, supernumerary artery, any artery arising from the aorta in addition to the main renal artery should be named "accessory" and the renal arteries arising from sources other than aorta should be called "aberrant. The frequency of aberrant renal arteries has been reported to be much lower than accessory renal arteries⁽¹⁰⁾. The testicular arteries may have anomalous origin rather than from aorta, or it may have a high aorta origin above the level of L2 vertebra in about 5-20% of cases, on the other hand, the testicular artery may arise from renal artery; main or accessory renal artery, in about 5-6% (خطأ! الإشارة المرجعية غير معرفة).

Materials and Methods

Twenty human cadavers (forty sides) are examined to study the possible variations in the origin of the testicular artery. The gender of cadavers is male. All cadavers are embalmed well and prepared for teaching purposes in the medical college. The bowel and its mesentery all are removed to view the posterior abdominal wall clearly and to make

identification for the testicular artery easier.

By gross anatomical dissection, we try to identify the origin of forty (40) testicular arteries on both sides, which may come from aorta directly or indirectly.

For those testicular arteries come directly from aorta we try also to verify if they are aberrant or accessory testicular arteries.

We use a 6 megapixels digital sony camera to take pictures of work.

Results

During examination of a 20 male cadavers (40 sides) in the anatomical laboratory, the testicular artery found to have more than one site of origin. In all of the cadavers examined. We found three cases when the testicular arteries not originate directly from abdominal aorta. One case out of twenty (40 testicular arteries examined) the right testicular artery arises from the right renal artery. In two cases out of twenty cases examined, the left testicular artery is originated from the left accessory renal artery. In the remaining cases the testicular arteries are originated directly from the anterolateral aspect of abdominal aorta.

In the three cases identified with abnormal origin testicular artery evidently it was the main artery and no more accessory testicular artery from abdominal aorta. This is defined as aberrant testicular artery.