
Radiological findings in senile enlargement of the prostate and following surgery on the prostate

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This work represents the study of 30 cases of senile enlargement of prostate. The work comprises an analysis of the radiological findings observed in the upper and lower urinary tract in cases of senile prostate and a study of the changes following prostatic surgery including reversibility of the preoperative changes and the changes in the bladder neck region with correlation to the clinical findings of the function Q., recovery or complications. Our results point to the following: 1. The filling defects produced by the obstructing prostate were found in 14 cases out of 25, the defect is never notched in outline. 2. Generalised elevation of the inferior margin of the bladder was seen in 2 of the cases. 3. Trabeculations of the bladder wall were reported in 15 cases out of 22 adequately visualized bladders. Small diverticula were seen in 2 cases and muscle hypertrophy in 7 cases. These vesical changes were crudely parallel to the severity of the symptoms. 4. Vesico-ureteric reflux was seen in one case out of 10 cases examined by the ascending cystography. 5. Changes in the upper urinary tract were found in 11 cases out of 25. 6. Post-operative prostatic cavity was seen in all cases. Much diminution of the cavity was detected in films taken 6 months after the operation. Complete inclusion of the cavity occurred in one case due to stricture membranous urethra which complicated the operation. Reflux up the ejaculatory ducts was demonstrated. 7. After the operation the trabeculations were either greatly attenuated or lost. The diverticula did not show any change of the size of the pouches. Vesico-ureteric reflux which was demonstrated in one disappeared after prostatectomy. 8. In 3 cases the dilatation of the upper urinary tract was followed postoperatively and it persisted in 2 cases out of the 3. 9. In the 10 cases followed pre and post-operatively radiological evidence of complications was not present. Out of the 15 cases whose records were present complications were found in 3 cases months after the operation. 10. The follow up of the cases helps together with the clinical findings in the assessment of the success of prostatectomy.