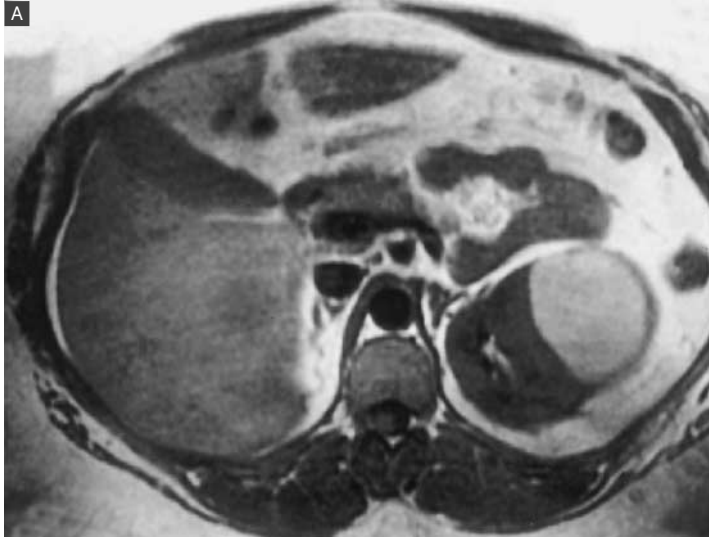


IMAGES IN CLINICAL MEDICINE

Page Kidney



A 23-YEAR-OLD MAN PRESENTED WITH A TWO-MONTH HISTORY OF HYPERTENSION. At 18 years of age, he had sustained an injury to the left flank while playing college football. His blood pressure was 180/100 mm Hg. Magnetic resonance imaging of the abdomen showed a large left subcapsular hematoma with areas of calcification compressing the renal parenchyma (Panel A). Total left nephrectomy was performed. The resected left kidney contained a subcapsular calcified hematoma forming a thin-walled (0.3 cm), eggshell-like calcified cyst (7×5.5×3.5 cm) conforming to the lateral surface of the kidney (Panel B). At follow-up at 1 and 12 months, the patient's blood pressure was normal. His hypertension was induced by renal parenchymal compression (Page kidney), a rare cause of secondary hypertension. Page's experimental model of hypertension, created by wrapping cellophane around animal kidneys, was first described in 1939.

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