

The following cases will illustrate my remarks better than more extended discussion. I have curtailed the clinical history, both because of lack of time and in order to emphasize the objective findings which of themselves are sufficient to permit of a diagnosis.

(1) Acute hemorrhage nephritis bilateral:

L. ♂. act. 30, 39.08. gave a history of persistent hæmaturia for one year. This varied in quantity. Albumen and casts were also present. Cystoscopy showed a normal bladder and ureteral catheterization the following:

	Common	Right	Left
Am't	—	10 c.c.	10 c.c.
Reaction	Acid	Acid	Acid
Sp. G.	1020	1024	1026
Sediment	bloody	turbid	turbid
Urea	—	2.1%	2.1%
Alb.	trace	+	+
Sugar	—	1%	1%
Mx.	r.b.c.	r.b.c.	r.b.c.
	hyaline & granular casts. no pus	blood casts Epithelial casts hyaline casts	blood casts hyaline casts with adherent r.b.c.
Culture	No growth		

Both kidneys were therefore equally diseased.

(2) Acute septic nephritis unilateral:

L. ♂. act. 30, 93.07. Complained of attacks of right-sided pain resembling renal colic and a cloudy condition of the urine, which came on subsequently to the attacks and had persisted.

	Common	Right	Left
Am't	25 c.c.	10 c.c. in 45'	10 c.c. in 45'
Reaction	Acid	Alk.	Alk.
Sp. G.	1017	1015	1022
Appearance	straw color	pale	pale
Urea	—	1.2%	1.5%
Alb.	trace	+	0
Sugar	—	.25%	.5%
△	—	—1.03°C	—1.65°C
Mx.	pus bacteria few r.b.c. no T. B.	pus bacteria r.b.c. no T.B.	no pus 1 cast

This led to a diagnosis of right-sided acute pyelonephritis, the kidney tissue being evidently damaged. The X-ray failed to show a stone. The patient refused operation, but subsequently returned, when a second examination showed a temporary blockage of the right ureter. Operation revealed many adhesions about the kidney, thrombosis of both renal artery and vein and multiple small abscesses throughout cortex and medulla. The kidney was removed and the patient made an uninterrupted recovery. That such acute septic infections of the kidney can be diagnosed and that they may remain one sided and permit of removal and recovery is due entirely to the newer methods.