

cipitation of the cystine with cuprous chloride,⁶ the values by the photometric and Sullivan methods are in reasonable agreement (Table I, Sc-2, Sample 2).

Summary. 1. Two cases of cystinuria in Scotch terriers have been described. One of them had cystine calculi. 2. Cystinuria with and without cystine calculi has been found in the following breeds of dogs: Dachshund, Irish terrier, Scotch terrier.

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Failure to Recover Pregnandiol Glucuronidate in Monkeys, Rabbits and Cats.*†

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Previous experiments have shown that injected progesterone has been transformed into pregnandiol not only by women but also by men.¹ In pursuing this problem further, an attempt was made to find pregnandiol glucuronidate in the urine of experimental animals during normal cycles, during pregnancy and following injections of progesterone.

Urine was collected in metabolism cages and placed in the ice box with several drops of chloroform as a preservative. Examination for pregnandiol glucuronidate was then carried out on pooled specimens consisting of one or 2 liters of urine, according to the well proven method of Venning and Browne.² Urine from monkeys was collected from the first day of injection until 2 days after the last injection.

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† The estradiol benzoate used was Progynon B, which was kindly furnished by Doctor Schwenk of Schering Corporation; the progesterone was Progestin, which was kindly furnished by Doctor Shaner of Roche-Organon, Inc.

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¹ Buxton, C. L., and Westphal, U., *PROC. SOC. EXP. BIOL. AND MED.*, 1939, **41**, 284.

² Venning, E. M., and Browne, J. S. L., *PROC. SOC. EXP. BIOL. AND MED.*, 1936, **34**, 792; Venning, E. M., *J. Biol. Chem.*, 1937, **119**, 473; Venning, E. M., *J. Biol. Chem.*, 1938, **126**, 595.

TABLE I.

Animal	No.	No. days collected and computed		Pregnandiols	Glucuronidate
Rabbits					
Normal mature ♀	2	33		0	
Pregnant ♀	2	28		0	
Cats					
Normal mature ♀	1	40		0	
Pregnant ♀	3	33		0	
		Weight in g	Pretreatment with estradiol benzoate	Progesterone injected mg in days	
Adult monkeys					
Castrate ♀	1	4450	0	45 in 10	0
Castrate ♀	1	5700	0.4 mg in 10 d	50 in 10	0
Castrate ♀	1	4750	1.2 mg in 20 d	10 in 10	0
Normal ♂	1	5350	0	30 in 3	0
Normal ♂	1	5000	0	80 in 4	0

No pregnandiols glucuronidate was recovered in any instance. Also after hydrolysis no free pregnandiol was found in the monkey which received 80 mg of progesterone.

Table I shows the type and number of animals used.

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Vitamin E Deficiency in Dogs.*

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In a more extensive experiment designed to compare the nutritive values of raw, pasteurized and evaporated milks we have encountered an acute vitamin E deficiency in dogs. Since a deficiency of vitamin E has not been reported previously in this species we wish to take this opportunity to do so.

Weanling fox-terrier pups were fed a diet of a commercial evaporated milk (neither sweetened nor irradiated) which was diluted

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