THE EFFECTS OF SUBARACHNOID INSTILLATIONS OF THERAPEUTIC CONCENTRATIONS OF PENICILLIN SOLUTION ON THE CENTRAL NERVOUS SYSTEM*

ALEX GERBER, M.D., EDWIN BOLDREY, M.D., H. J. MCCORKLE, M.D., AND HELEN WARMER, A.B.

Division of Experimental Surgery, University of California Medical School, San Francisco, California

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During the course of treatment of several patients with intraspinal instillations of penicillin in physiological salt solution, three cases were observed in which the spinal fluid became xanthochromic and evidently increased in viscosity. Also, the spinal fluid would jell or clot.

Fig. 1. Average daily cell counts following intracisternal instillation of a single dose of 1,000 units of penicillin (1,000 u/cc.).

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Fig. 2. Average daily cell counts following intracisternal instillation of a single dose of 2,000 units of penicillin (1,000 u/cc.).

Fig. 3. Average daily cell counts following intracisternal instillation of 2 cc. of physiological salt solution.