

certain cases (one of which he reports) have a purely mechanical cause, to wit: compression of the subclavian artery between the clavicle and first rib. It has long ago been shown that such compression may occur in deep breathing. A pulsus paradoxus due to such compression is revealed by elevating the shoulders of the patient, which separates the clavicle from the first rib. The author calls attention to the unwisdom of examining only the radial artery in pulsus paradoxus. The carotid should always be tested as well. When both vessels give an inspiratory intermittence, which disappears on raising the shoulders, the pulse is no longer paradoxal, but its cause is sufficiently explained. It then becomes a compression pulse.—*Medical Record*.

Chemistry of Urine in Pulmonary Tuberculosis

It is claimed by King, *Medical Record*, who has done some original work in this line, that the urine would show wasting and an imperfect interchange of gases due to diseased lung tissue. Wasting should be shown by the urea excretion, and imperfect interchange by the elimination of the purin bodies. He tabulates the results in 52 cases, 43 of which represented various stages in patients who were able to be out of bed, the others being bed cases. If the patient is near a fatal termination the urine will measure between 600 and 800 c.c.; it will have a decided red color from pigments of blood cells that are being destroyed; it will show a urea reaction that is more than 4.00, and the urinometer reading will be between 20 and 25. Specific gravity undergoes little change. Uric acid is not increased to any great degree. Tuberculosis produces a relative increase in the principal products of nitrogenous metabolism. If the volume of urine expressed in hundred c.c. be multiplied by the urinometer reading, we shall get a so-called V-G factor; if this be low it indicates that the patient is not taking sufficient nourishment to sustain the body in a state of health. The author introduces various new reactions that are explained in connection with the tables.—*J. A. M. A.*

Test of Kidney Functioning by Elimination of Disease in the Urine

Wohlgemuth, *Berliner klinische Wochenschrift*, applied this test first on dogs and then in 50 clinical cases, the reliability and accuracy of the findings sustaining, he declares. the value of