

sation—all taken together point at once to some equally sudden interference with the great centres of circulation and respiration. The disordered sensation, the tingling and formication which was present for about two hours preceding death, can be explained only by assuming that extravasated blood was creeping stealthily and insidiously around, or, it may be, along the medulla on its road to the floor of the fourth ventricle, compressing the motor and sensory tract without obliterating its functions. The mode of death with these last symptoms solved for me what previously perplexed me considerably. I read the symptoms somewhat in this way: A blood-vessel burst in the cerebellum, causing the obstinate vomiting; it easily worked its way amongst the delicate leaflets of this organ, tearing asunder the sensitive membranes covering it. This caused the pain. The quiet enforced by the pain checked the extravasation until some effort or other accidental circumstance started it afresh, with a renewal of all the symptoms: blood continued to be poured out spreading in all directions, ultimately reaching the medulla and producing there the symptoms and result just described.

The third case being one of abscess; in the absence of disease elsewhere, and also in presence of the fact that up to the time of his fall he was perfectly well, there is little doubt that this abscess is due to the inflammatory process resulting from the fall in which he must have injured his head. Here a very interesting point is brought out, showing the bearing of the anatomical relations of the part to the presence of disease or injury. We must remember that the brain is almost completely surrounded by a layer of fluid, upon which, as Hilton puts it, it rests as on a water-bed. This fluid exerts the usual physical properties of all fluids, in acting as a barrier to the transmission of vibrations from a solid substance covered with fluid to any other substance in its vicinity. There can be no doubt, were it not for this, few of us would reach manhood without impaired intellect, in consequence of pugilistic encounters of our school-boy days. The brain, however, must have some solid support, where it will come in contact with the bony skeleton. On the orbital plates of the frontal bone the frontal lobes of the cerebrum fit closely and accurately. Behind, the cerebellum rests