capsules, although he doos not mention their site. He merely observes that the phenomenon is interesting as being one which is frequently observed in regard to a neighboring organ, the spleen. "Une anomalie princitive très genérale consiste dans leur petitesse extrême ou même leur absence totale, qui accompagne le developpement incomplet de l'éncephale et de la mortie supérieure du corps en général. On ne connaît que deux ou trois cas de cette espèce dans le-quels les capsules surrénales aient été trouvées, offrant le volume qu'elles ont ordinairement." The capsule is composed of an external or cortical, and an internal or medullary portion. The cortical structure forms the greater portion of the substance of the organ, is firm and striated, and of a deep yellow colour; the medullary is soft, pulpy, and brownish-black in hue. From the dark colour of their interior, and from a supposition that they were the organs which secreted the atrabilis, Caspar Bartholinus, and the older anatomists, named them the atrabiliary capsules. According to Simon, the cortical portion consists of closed tubes, having ne communication with each other, arranged in columnar masses perpendicularly to the surface of the capsule. They are surrounded by a plexus of blood vessels supported by fine processes sent inwards from an outer fibrous investment of the organ. Their interior is lined by a delicate limitary membrane, and in this opinion he is supported by Ecker and Frey, and Hassall. The tubes are filled with a granular plasma, nucleated cells and oil globules. Mr. Gulliver has found that the granules form the principal mass of the gland. Their size varies from 1-6000th to 1-24000th part of an inch in diameter. The nucleated corpuscles, according to the same observer, are few in number in the human subject, although they are numerous in the ruminantia. Kolliker describes the cortical portion as being composed of a fibrous stroma of connective tissue, so arranged as to leave oval spaces, which are filled with a granular plasma, oil particles, and nucleated cells. He denies that these spaces are lined with a proper limitary membrane, thus differing from Simon, Ecker and Hassall. The medullary portion consists of a stroma of connective tissue derived from the cortical substance. It contains numerous blood vessels, a plexus of minute veins, according to some anatomists, and a large supply of nerves derived from the sympathetic system. The tissue is arranged in laminæ, and the interspaces are filled by a granular plasma, in which are nucleated cells in different stages of development. "The recent observations of Kolliker upon the nature of these cells," says Dr. Carpenter, "which are confirmed by the rescurches of Leydig upon the corresponding organs in the amphibia, seem to indicate that they are really ganglionic in their character."