

vitality, as in the Alembic and under our observation, I am willing to admit, but that these changes are more or less definitely and correctly effected while circulating in the blood, I think can be as clearly proven. As an instance, and it constitutes a most important part in our curative process, give for a few days, cod liver oil with phosphate of lime, you will detect the dumb-bell crystals of oxalate of lime in the urine—now this can only be effected by the change of carbonic acid, and carbonic oxyde into oxalic acid, which from its stronger affinity, sets free the phosphoric acid and unites with the lime. This change is wholly produced in some part of the transit through the circulation.

Raw beef pounded to shreds, has of late received the approval of the London and Continental Hospitals, as food in these cases, upon physiological reasons particularly, its ready transformation with little effort of nutrition to the much needed fibrin—but we also find that the pounding divests it of its cellular substance or cellulose, which is composed of hydrogen and oxygen in the exact proportions to form water. So the three, carbonic, oxalic, and tartaric acids, to which so much importance has been attached, contain, two of them none, and the other a very small proportion of hydrogen, which may materially check that ready solvent from carrying the most important solids out of the system. I cannot agree with the one-man power of Dr. Churchill about the use of Hypophosphites, but have no doubt of their most important efficacy when combined with cod liver oil so as to produce the chemical transposition before mentioned. The chemical indications of cure, therefore, consist in the proper regulations of hydrogen and nitrogen. The first by keeping from the system all such articles of diet as contain the elements of water, and using for medicines like chemical compounds, the few acids I have named. The second by conveying into the system, as much as possible of substances, rich in nitrogen—of these the principal are nitric acid—nitrate and cyanide of potass, and the different preparations of ammonia, chief of which is the muriate—articles of diet confined to Caseine of milk, albumen of egg and fibrin from beef and mutton.

Fruit, often highly recommended, derives its principal advantage from the long mastication required, causing a greater quantity of atmospheric air to be conveyed to the stomach with the saliva.

REVIEW DEPARTMENT.

ART. XXIII.—*Compendium of Human Histology*. By C. MOREL, Professeur agrégée à la Faculté de Médecine de Strasbourg; illustrated by twenty-eight plates; translated and edited by W. H. Van Buren, M.D., Prof. of Gen. and Descrip. Anat. in the University of New-York, &c., New-York, Ballière Brothers. Montreal, Dawson and Son, 1861, 8vo. pp. 207.

Of the various subsidiary branches of Medical science, none is making at the present day greater advances towards perfection than Histology, which has