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the necessary acration and so obviates tissue asphyxia, hence pernatting extensive employment of nitrons-oxide gas. The hyperphora so commonly existent with the methods employed lessens the carbon-drixide content of the blood, leading to acapine conditions; so that the addition of earlier dioxide gas to the nitrons-oxide-oxygen mixture finds tayour with some persons, and is employed for prolonged operations. The simplest method of supplying carbon dioxide is by allowing partial in breathing, and this is provided for by Teter and others in their apparatus for prolonged administration of these gases for the purposes of major surgery.

Nitrous Oxide and Oxygen in Major Surgery. The prognosis when this method is adopted is far less tayourable than its sponsors have in the past claimed for it. Dr. d. F. Baldwin* has collected statistics of deaths in the U.S.A. which demonstrate a very high mortality-rate. In 1200 observed cases, this writer states that the mortality in a portoperations was 1 per cent. The large number of deaths he records in his paper occurred when the anaesthetic was given by men possessed of expert knowledge and wide experience in its use. The leaths appear to have been mainly due to heart failure, and not, as is commonly taught, to gradual asphyxia. There seems little doubt that the earth icollapse which occurred was led up to by the abnormal condition of the blood in the pulmonary circulation, which imposed a stress upon the heart which it could not withstand. The method would, therefore, prove peculiarly perilous for patients with various cart conditions such as would weaken the resiliency of the organ.

Such combinations as anyl nitrite and chloroform, somnoform of thyl chloride, methyl chloride, and ethyl bromide), and ethyloform, a more dangerous variant of the last, need merely to be mentioned as extremely unsatisfactory agents.

Attayrondy Boddis (Sl.D in Association with General Anassociation). Those most commonly in use are atropine, morphine, a damine, omnopon, strychnine. We may add chlorbulyl, although this not alkaloidal.

Altropiac.—The use of this drug, gr. 11., given hypodermically ome nour before inhaling an anaesthetic, has revolutionized the methods of otherization. Its action checks the excessive secretion of the buccal and respiratory areas, and so removes one of the great drawbacks of other. The dose has to be varied according to circumstances. In some persons, persistent throat dryness follows its use. Children, as a rule, tolerate atropine well. A further advantage of atropine is that thesens the irritability of the pneumogastric nerves (Schäfer), and so minimizes the danger of vagal inhibition of the heart under chlorosm. Hoelscher's observations appear to prove that much of the lost-an-esthetic chest trouble is due to the aspiration into the air-pussages of saliva and muchs impregnated with the anæsthetic; hence, lessening this secretion by atropine diminishes the risk; further,