

3. The toxæmias, including bacterial infections, surgical septicæmia, etc., when collapse threatens, especially when a persistently low blood-pressure, hypothermia, and cyanosis, are present. Besides enhancing pulmonary and tissue respiration, the adrenal principle, administered in the same way, enhances the efficiency of the immunizing process.

4. Capillary hæmorrhage from the pharyngeal, œsophageal, gastric or intestinal mucous membrane. The mastication of tablets of adrenal substance, or the oral use of powdered adrenal substance in five-grain capsules arrests the flow, by causing active metabolism in the muscular elements of the arterioles of the mucosa and constriction of these vessels.

I may add to these a series of disorders in which adrenal preparations will probably prove of great value when sufficient evidence will warrant a final conclusion. These are:—

1. Sthenic cardiac disorders with dilatation of the right ventricle, dyspnoea, and possibly cyanosis and œdema, owing to the direct action of the adrenal principle on the right ventricle and improved oxidation and metabolism in the cardio-vascular muscles and the tissues at large. Tablets of from one-half to two grains of the desiccated gland can be taken after meals.

2. Asthma, to arrest the paroxysms, by augmenting the pulmonary and tissue intake of oxygen and cardio-vascular propulsion of arterial blood. From five to ten minims of the 1-1000 solution of suprarenalin or adrenalin in the vein or hypodermically.

3. To prevent the recurrence of serous effusions in the pleura, the peritoneum, the tunica vaginalis, etc., after aspiration, by reducing the permeability of the local capillaries and restoring the circulatory equilibrium. From 8 minims to 2 drams according to the size of the cavity, of supra-renaline or adrenalin should be injected into the cavity.

4. In neuralgia or neuritis, applied to the cutaneous surface over the diseased area to produce ischæmia of the hyperæmic nerves and thus arrest the pain. One or two minims of a 1 to 1000 adrenalin ointment should be applied by inunction.—*Monthly Cyclopaedia*.

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