

ON THE REMOVAL OF DIFFUSIBLE SUBSTANCES FROM THE CIRCULATING BLOOD OF LIVING ANIMALS BY DIALYSIS

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I. INTRODUCTORY

There are numerous constituents of the blood derived from various organs and of vital significance to the economy, and present in the blood in only minute quantity at any one time, which can not be isolated or identified by the means now at our command. When the proteids of the blood, for example, are removed by precipitation in the course of an analysis, the minute quantities of the substances in question are carried down with them and adhere firmly to them. Nor do the kidneys or other excretory organs eliminate these substances in quantities that suffice for detection or study.

It is evident that only by some method which will remove from the flowing blood the traces of these substances as fast