

M0007778: Apparatus used in Joseph Lister's experiments on the coagulation of the blood

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EXPERIMENTS ON THE COAGULATION OF THE BLOOD. (1)

One of the earliest of Lister's experiments was formed with a view to the corroboration of the theory that blood outside the body coagulated by reason of the escape of ammonia.

A rubber tube was inserted into the jugular vein of a sheep in such a manner that the blood flowed through the tube and then continued its natural course. While the blood was circulating the tube was tied into a number of airtight receptacles containing blood. The blood in these receptacles was examined after various intervals of time.

Observations.

The blood coagulated in these receptacles although they afforded no opportunity for the escape of ammonia, as quickly as those in communication with the air, implying that facility for the evolution of ammonia does not affect the process of coagulation at all.

