

SCIENTIFIC PROCEEDINGS.

ABSTRACTS OF COMMUNICATIONS.

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President Lusk in the chair.

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Tissue juice as a hemostatic.

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A very potent hemostatic can be prepared by extracting various tissues with salt solution. The most suitable in this regard is the brain, and somewhat less efficacious, liver or muscle tissue. Thromboplastic substance obtained in this way has very marked power when added to oxalated plasma or to blood, bringing about a clot with almost explosive rapidity. It can be maintained in a sterile condition by means of the addition of 0.3 per cent. tricresol, and in this state has been found to maintain its efficacy for at least a month. This preparation when tested locally upon animals, markedly diminishes the bleeding. In true hemophilia of man, which is characterized by delayed clotting of the blood, in two cases it checked the bleeding when applied locally after numerous other procedures had failed. It seems to be especially adapted for use in such cases.

When given intravenously to animals, it causes a shortening of the coagulation time. The blood when caught into the usual amount of 1 per cent. oxalate solution, does not remain fluid. A 2 per cent. solution of this preparation has been injected intravenously into human beings and found to decrease the clotting time.