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## DISCUSSION.

DR. PEARCE said experimental lesions were not analogous to those of man, but of great value in explaining degenerative and regenerative changes in vessels. Physiological studies of the action of adrenalin were of great value in explaining problems of cardio-vascular pathology.

PROFESSOR CLIFFORD ALLBUTT said: I must begin my remarks, Sir, by thanking you for the compliment you pay me in calling upon me, who am no expert in pathology, to speak in this Section. The discussion of this morning is peculiarly instructive and gratifying to me in so far it has come to the support of the doctrine in which for so many years I stood alone—the doctrine of the mechanical origin of a certain large group of cases of arterio-sclerosis, a group which includes that of chronic renal disease, and especially of granular kidney, but is by no means confined to cases of renal disease. And although it is true that mechanical causes, which we may express pretty nearly in terms of arterial blood pressure, operate in all cases of arterio-sclerosis, of the group of which I am now speaking it is virtually the sole cause; in other words, the arterial damage is due, and stands in proportion to a period or periods of excessive pressures, an excess which, in the first instance, is antecedent to the arterial disease, and may even within some such term as four or five years be subdued, and the arterial damage thus averted—an opportunity which we must be ever more and more on the alert to seize and to turn to advantage. But this mode of arterial disease, the mode which I have