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Nota di contenuto	ADRENERGIC MECHANISMS; CONTENTS; Opening address; Session 1 : Formafion and Inactivation of Adrenergic Transmitters; Formation of adrenergic transmitters; Formation of adrenaline and noradrenaline; Discussion; The fate of adrenaline and noradrenaline; 3-Methoxy-4-hydroxymandelic acid excretion in phaeochromocytoma; The metabolism of [-I4CJ](±)-adrenaline in the cat; Discussion; Session 2: Storage of Catechol Aminer; Chairman's opening remarks; Origin, development and distribution of chromaffin cells; The storage of amines in the chromaffin cell Some observations on the synthesis and storage of catechol amines in the adrenaline-containing cells of the suprarenal medullaCell types of the adrenal medulla; Discussion; Session 3: The Adrenergic Neurone; Chairman's opening remarks; Release of sympathetic transmitter by nerve stimulation; Discussion; Interference with the release of transmitter in response to nerve stimulation; The effects of bretylium and allied agents on adrenergic neurones; The persistence of

adrenergic nerve conduction after TM 10 or bretylium in the cat; Some pharmacological properties of guanethidine; Discussion

Session 4: Adrenergic Mechanisms in Man Effects of adrenaline, noradrenaline and isopropylnoradrenaline in man; Effects of catechol amines on consecutive vascular sections; Discussion; Clinical effects of drugs which prevent the release of adrenergic transmitter; Bretylium; Discussion; Session 5 : Actions of Adrenaline and Noradrenaline on the Effector Cell; Chairman's opening remarks: The concept of receptors; Relationships between agonists, antagonists and receptor sites; Receptors for sympathomimetic amines; Sympathomimetic drugs and their receptors

Various types of receptors for sympathomimetic drugs Discussion; Biophysical changes produced by adrenaline and noradrenaline; Effect of adrenaline on depolarized smooth muscle; Discussion; The relation of adenosine-3',5'-phosphate to the action of catechol amines; The action of adrenaline on carbohydrate metabolism in relation to some of its pharmacodynamic effects; Discussion; Session 6: Mechanism of Action of Other Sympathomimetic Amines; Chairman's opening remarks; Tyramine and other amines as noradrenaline-releasing substances; Some observations on the effects of tyramine; Discussion

The actions of sympathomimetic amines on tryptamine receptors The depolarizing and blocking action of amphetamine in the cat's superior cervical ganglion; Discussion; Session 7: Central Adrenergic Mechanisms; Chairman's opening remarks; Some central actions of adrenaline and noradrenaline when administered into the cerebral ventricles; Intervention of an adrenergic mechanism during brain stem reticular activation; Electrophysiological evidence relating to the role of adrenaline in the central nervous system; The passage of catechol amines through the blood-brain barrier

Release of an adrenaline-like substance by electrical stimulation of the brain stem
