Page

BRITISH JOURNAL OF **PHARMACOLOGY**

Contents Systematic Pharmacology

	· Oi
377	LÜLLMANN, H. and RAVENS, URSULA. The time courses of the changes in contractile force and in transmembrane potentials induced by cardiac glycosides in guinea-pig papillary muscle. (SP1, DM1)
391	MARSHALL, R. J. and PARRATT, J. R. The effects of dipyridamole on blood flow and oxygen handling in the acutely ischaemic and normal canine myocardium. (SP1)
400	CACCIA, S., CECCHETTI, G., GARATTINI, S. and JORI, A. Interaction of (+)-amphetamine with cerebral dopaminergic neurones in two strains of mice, that show different temperature responses to this drug. (SP2)
Autopharmacology	
407	VARAGIĆ, V. M. and ŽUGIĆ, M. The effect of N ⁶ -2'-0 dibutyryl 3', 5' cyclic adenosine monophosphate, imidazole and aminophylline on ganglionic transmission in the superior cervical ganglion of the cat. (AP1, DM1)
415	Posner, J. Prostaglandin E ₂ and the bovine sphincter pupillae. (AP2)
428	MAIN, I. H. M. and WHITTLE, B. J. R. The effects of E and A prostaglandins on gastric mucosal blood flow and acid secretion in the rat. (AP2, SP1)
437	BERTACCINI, G., ERSPAMER, V. and IMPICCIATORE, M. The actions of bombesin on gastric secretion of the dog and the rat. (AP2, SP3)
445	BLYTH, D. I. Some effects of histamine in the depolarized rat uterus. (AP2, DM1)
	Pharmacokinetics
457	Pharmacokinetics Mannaioni, P. F. and Moroni, F. Uptake, disposition and metabolism of histamine in isolated heart preparations. (PK2, PK3, AP2)
457	MANNAIONI, P. F. and MORONI, F. Uptake, disposition and metabolism of histamine in iso-
457 466	Mannaioni, P. F. and Moroni, F. Uptake, disposition and metabolism of histamine in isolated heart preparations. (PK2, PK3, AP2) Drug Mechanisms Bose, D. and Innes, I. R. The role of sodium pump in the inhibition of smooth muscle re-
	Mannaioni, P. F. and Moroni, F. Uptake, disposition and metabolism of histamine in isolated heart preparations. (PK2, PK3, AP2) Drug Mechanisms Bose, D. and Innes, I. R. The role of sodium pump in the inhibition of smooth muscle responsiveness to agonists during potassium restoration. (DM1) Barlow, R. B. and Franks, Fiona M. A comparison of phenylalkyl- and phenoxyalkyl-trimethylammonium and triethylammonium salts; their apparent molal volumes at infinite
466	Mannaioni, P. F. and Moroni, F. Uptake, disposition and metabolism of histamine in isolated heart preparations. (PK2, PK3, AP2) Drug Mechanisms Bose, D. and Innes, I. R. The role of sodium pump in the inhibition of smooth muscle responsiveness to agonists during potassium restoration. (DM1) Barlow, R. B. and Franks, Fiona M. A comparison of phenylalkyl- and phenoxyalkyl-trimethylammonium and triethylammonium salts; their apparent molal volumes at infinite dilution and effects on the frog rectus and guinea-pig ileum preparations. (DM1, DM2) Fastier, F. N., Purves, R. D. and Taylor, K. M. Observations on 'fade': a complication of
466 480	Mannaioni, P. F. and Moroni, F. Uptake, disposition and metabolism of histamine in isolated heart preparations. (PK2, PK3, AP2) Drug Mechanisms Bose, D. and Innes, I. R. The role of sodium pump in the inhibition of smooth muscle responsiveness to agonists during potassium restoration. (DM1) Barlow, R. B. and Franks, Fiona M. A comparison of phenylalkyl- and phenoxyalkyl-trimethylammonium and triethylammonium salts; their apparent molal volumes at infinite dilution and effects on the frog rectus and guinea-pig ileum preparations. (DM1, DM2) Fastier, F. N., Purves, R. D. and Taylor, K. M. Observations on 'fade': a complication of the contractile response of smooth muscle to a large dose of an agonist. (DM2) Cuthbert, A. W. and Young, J. M. The number of muscarinic receptors in chick amnion
466 480 490 498	Mannaioni, P. F. and Moroni, F. Uptake, disposition and metabolism of histamine in isolated heart preparations. Drug Mechanisms Bose, D. and Innes, I. R. The role of sodium pump in the inhibition of smooth muscle responsiveness to agonists during potassium restoration. (DM1) Barlow, R. B. and Franks, Fiona M. A comparison of phenylalkyl- and phenoxyalkyl-trimethylammonium and triethylammonium salts; their apparent molal volumes at infinite dilution and effects on the frog rectus and guinea-pig ileum preparations. (DM1, DM2) Fastier, F. N., Purves, R. D. and Taylor, K. M. Observations on 'fade': a complication of the contractile response of smooth muscle to a large dose of an agonist. (DM2) Cuthbert, A. W. and Young, J. M. The number of muscarinic receptors in chick amnion muscle. (DM2)
466 480 490 498 506	Mannaioni, P. F. and Moroni, F. Uptake, disposition and metabolism of histamine in isolated heart preparations. Drug Mechanisms Bose, D. and Innes, I. R. The role of sodium pump in the inhibition of smooth muscle responsiveness to agonists during potassium restoration. (DM1) Barlow, R. B. and Franks, Fiona M. A comparison of phenylalkyl- and phenoxyalkyl-trimethylammonium and triethylammonium salts; their apparent molal volumes at infinite dilution and effects on the frog rectus and guinea-pig ileum preparations. (DM1, DM2) Fastier, F. N., Purves, R. D. and Taylor, K. M. Observations on 'fade': a complication of the contractile response of smooth muscle to a large dose of an agonist. (DM2) Cuthbert, A. W. and Young, J. M. The number of muscarinic receptors in chick amnion muscle. (DM2) Gibson, A. and Pollock, D. The effects of drugs on the sensitivity of the rat anococcygeus muscle to agonists. (DM2)
466 480 490 498	Mannaioni, P. F. and Moroni, F. Uptake, disposition and metabolism of histamine in isolated heart preparations. Drug Mechanisms Bose, D. and Innes, I. R. The role of sodium pump in the inhibition of smooth muscle responsiveness to agonists during potassium restoration. (DM1) Barlow, R. B. and Franks, Fiona M. A comparison of phenylalkyl- and phenoxyalkyl-trimethylammonium and triethylammonium salts; their apparent molal volumes at infinite dilution and effects on the frog rectus and guinea-pig ileum preparations. (DM1, DM2) Fastier, F. N., Purves, R. D. and Taylor, K. M. Observations on 'fade': a complication of the contractile response of smooth muscle to a large dose of an agonist. (DM2) Cuthbert, A. W. and Young, J. M. The number of muscarinic receptors in chick amnion muscle. (DM2) Gibson, A. and Pollock, D. The effects of drugs on the sensitivity of the rat anococcygeus

534 MAIN, I. H. M. and WHITTLE, B. J. R. Gastric mucosal blood flow during pentagastrin and histamine-stimulated acid secretion in the rat.

(PM, AP2, SP1)

FERREIRA, S. H., NG, K. K. and VANE, J. R. The continuous bioassay of the release and dis-

appearance of histamine in the circulation. (PM, AP2, PK3)

0

Contents—continued

SHORT COMMUNICATIONS

GHANI, M. F., HOPKINS, R. M., SMITH, J. R. and VANDERIPE, D. R. Effects of a new tetrahydroisoquinoline (NC-7197) in experimental cardiogenic shock. (SP1)
 BREZENOFF, H. E. The role of brain acetylcholine in the pressor response to centrally injected

neostigmine.

560 ADAM, K. R., PULLMAN, L. G. and SCHOLFIELD, P. C. Isoprenaline- and exercise-induced tachycardia in the assessment of β-adrenoceptor blocking drugs; a comparison between tolamolol, practolol and propranolol.

Systematic Pharmacology

Cardiovascular system SP1 Central nervous system SP2 Other physiological systems SP3

Pharmacokinetics

Storage, distribution, fate PK1 Synthesis, metabolism PK2 Uptake, release PK3

Clinical Pharmacology, Experimental Therapy CP Chemotherapy CT Miscellaneous M

Autopharmacology

Adrenergic, cholinergic transmission AP1 Histamine, kinins, prostaglandins, etc. AP2
Hormones AP3

Drug Mechanisms

Molecular, cellular, biochemical, biophysical DM1 Receptors, antagonism, potentiation, tolerance DM2

Pharmacometrics PM Psychopharmacology PP Toxicology TX