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## RESEARCH ACTIVITIES OF 14 DIVISIONS

D01

Division of Cardiology: Research in progress

To be presented by Dr CP Lau

**Atrial fibrillation** Epidemiology and in-hospital presentation, neurocardiogenic causes, exercise performance in chronic atrial fibrillation, propafenone and low dose quinidine treatment, low energy transvenous atrial defibrillation, dual site atrial pacing, electromechanical remodelling and the world's first atrial defibrillator.

**Cardiac pacing** Multisensor pacing, automatic pacemaker in detecting implantation, lead impedance, myocardial thresholds and self-optimising sensor programming, in-vitro model of automatic mode switching and automatic rate conversion, and mobile phone interference.

**Coronary artery disease** Functional outcome of cardiac rehabilitation, epidemiology and risk factors in elderly patients, normal coronary artery size in the Chinese.

**Coronary intervention** Stenting of cerebral arterial stenosis, restenosis after Palmaz-Schatz stenting and post PTCA restenosis in Chinese patients, the role of X-ray magnification in coronary intervention.

**Hypertension** Angiotensin-converting enzyme genotype, comparative evaluations of different calcium blockers, regression of left ventricular hypertrophy and changes in B-type atrial natriuretic peptide.

**Radiofrequency ablation** Observation of ablation on atrioventricular nodal electrophysiology in patients with and without dual nodal pathways, ablation of flutter, fibrillation and idiopathic ventricular tachycardia.

D02

Division of Clinical Pharmacology

### AN OVERVIEW OF 1995/96 CLINICAL PHARMACOLOGY RESEARCH.

CR Kumana Division of Clinical Pharmacology, Department of Medicine, The University of Hong Kong

The Division of Clinical Pharmacology which is an integral part of the University of Hong Kong's Department of Medicine continues to evolve as an interdisciplinary bridging resource. It nevertheless has particularly strong bonds with basic pharmacological and physiological sciences and is increasingly involved with health care policies striving to enhance cost-effective drug usage. The Division's recent areas of research include: i) Drug utilization studies to improve cost-effectiveness, ii) Cardiovascular investigations involving ACE inhibitors and several vasoactive peptides, iii) Fundamental aspects of chloramphenicol metabolism in relation to human bone marrow, iv) Modern inhalational therapy of asthma, and v) Aspects of ethnopharmacology. Some highlights from work in these areas will be described and discussed.