

Name & No. _____

DEPARTMENT OF PHARMACOLOGY

DATE: _____

LAB PRACTICAL SHEET FOR MPHL-231

**EFFECT OF AUTONOMIC DRUGS ON THE
BLOOD PRESSURE OF THE CAT**

P R O C E D U R E :

A cat is anaesthetized with pentobarbitone and chloralose (80 mg/kg). The trachea is cannulated and respiration is maintained by a respiration pump. The left carotid artery is exposed, cannulated, and connected to a pressure transducer for blood pressure recording. The femoral vein of the right leg is cannulated for i.v. injection of drugs.

Drugs to be tested are administered i.v. followed by an injection of 2ml of 0.9% saline.

The effects of the following drugs are to be recorded on the attached sheet.

S.No.	DRUG	OBSERVATION	COMMENTS
1.	Noradrenaline (5 µg /kg)		
2.	Adrenaline (5 µg /kg)		
3.	Tolazoline (10 mg /kg)		
4.	Adrenaline (5 µg /kg)		
5.	Isoprenaline (5 µg /kg)		
6.	Pindolol (1 µg /kg)		

7.	Isoprenaline (5 μg /kg)		
8.	Acetylcholine (1 μg /kg)		

S.No.	DRUG	OBSERVATION	COMMENTS
9.	Atropine (2 mg /kg)		
10.	Acetylcholine (A) - 1 μg /kg		
11.	Acetylcholine (B) – 0.5 mg / kg		

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