No. of Printed Pages: 12

MCC-003

# POST GRADUATE DIPLOMA IN CLINICAL CARDIOLOGY (PGDCC)

## **Term-End Examination**

00661

### December, 2013

#### MCC-003: COMMON CARDIOVASCULAR DISEASES - I

Time: 2 hours

Maximum Marks: 60

#### Note:

- (i) There will be multiple choice type of questions in this examination which are to be answered in **OMR Answer Sheet.**
- (ii) All questions are compulsory.
- (iii) Each question will have four options and only one of them is correct. Answers have to marked in figures in the appropriate rectangular boxes corresponding to what is the correct answer and then blacken the circle for the same number in that column by using HB or lead pencil and not by ball pen in OMR Answer Sheet.
- (iv) If any candidate marks more than one option it will be taken as the wrong answer and no marks will be awarded for this.
- (v) Erase completely any error or unintended marks.
- (vi) There will be 90 questions in this paper and each question carries equal marks.
- (vii) There will be no negative marking for wrong answers.
- (viii) No candidate shall leave the examination hall at least for one hour after the commencement of the examination.

1.		ording to jive 7 report pre-tty per	terision								
	(1)	SBP≥160 DBP≥100mmHg.		(2) SBP 120 - 139 DBP 80 - 89mmHg.							
	(3)	SBP 140 - 159 DBP 90 - 99mmF	Hg	(4) SBP < 120 DBP < 80mmHg.							
2.	Whi	ich is the commonest cause for se	condar	y hypertension ?							
	(1)	Renal parenchymal disease.	(2)	Pheochromocytoma.							
	(3)	Primary aldosteronism.	(4)	Cushing syndrome.							
3.	Targ	get blood pressure in diabetes me	llitus pa	atient is :							
	(1)	< 110/80mmHg.	(2)	< 140/90mmHg.							
	(3)	< 120/80mmHg.	(4)	< 130/80mmHg.							
4.	Which of the following test has high sensitivity to detect pulmonary embolism?										
	(1)	MRI.	(2)	MDCT pulmonary angiography.							
	(3)	Ventilation perfusion scan.	(4)	D-Dimer more than 500/micrograms.							
5.	The	optimal HBA <sub>1</sub> C level for a diabe	tic patie	ent is :							
	(1)	< 6 (2) < 7	•	(3) < 8 $(4) < 9$							
6.	Which is not a feature in heart failure of acute origin ?										
	(1)	Нурохіа.	(2)	Tachycardia.							
	(3)	Acute dysponea.	(4)	Cardiomegaly.							
7.	Whi	ich of the following is related to d	levelop	ment of plague rupture ?							
	(1)	Cholesterol content.	<b>r</b>								
	(2)										
	(3)	Oxidised LDL.									
	(4)	All of the above.									
8.	` '	e statements about ACS include a	ıll excei	ot:							
	(1)		-	on Q-wave MIs have similar prognosis.							
	(2)	Q-wave develops in > 95% of p		1 0							
	(3)	Occlusion coronary thrombosis									
	(4)	·		typically results in ST depression or T-wave							
	` '	inversions.									

9.	BP l	levels of 150/80mmF	Hg c	an be class	sified a	as:				
	(1)	Pre-hypertension.			(2)	Stag	ge I Hypertens	ion.		
	(3)	Stage II Hypertens	sion.		(4)	Isol	ated systolic H	lypertens	ion.	
10.	All	are secondary preve	entiv	e trials exc	ept:					
	(1)		2)	LIPID	-1	(3)	HPS	(4)	4S	
11	Roci	t drug to troot your b	viah	Trialycaria	ło :					
11.		t drug to treat very h	ngn	rrigiyceric		A 1	ove ololin			
	(1)	Ezetemibe.			(2)		ovastatin.			
	(3)	Fenofibrate.			(4)	bile	acid sequestra	intes.		
12.	2. Killip classification denotes prognosis in :									
	(1)	Heart failure.			(2)	Acu	te MI.			
	(3)	Arrhythmias.			(4)	Pulr	nonary Throm	nboembol	ism.	
13.	A11 :	are indicated in preg	onar	ncy induced	d hype	ertens	ion excent :			
10.	(1)	Calcium channel b		•	(2)		retics.			
	(3)	ACI inhibitors.	JIOCI	CIS.	(4)		blockers.			
	(3)	ACI IIIIIDIOIS.			(4)	Deta	DIOCKEIS.			
14.	Afte	er Balloon mitral va	alvo	tomy, a p	atient	sudo	denly went in	ito gross	hypotension.	On
	exar	nination he had tach	nyca	rdia pulsu	s para	doxu	s and elevated	JVP, wi	th a further ris	se in
	insp	iration. The immedia	ate t	treatment o	of choi	ice wi	ll be :			
	(1)	IABP.			(2)	I. V.	Inotropes.			
	(3)	Pericardiocentesis.	•		(4)	Non	e of the above			
15.	A 40	0 years man present	ted t	to the eme	rgenc	v witl	n severe angin	a of 3 ho	ours duration.	His
		G showed tall " T " w			•		0			
	(1)			CK-MB.		(3)	Troponin-I.	(4)	Troponin-T.	
16	17	anno of our discussion	<b>-</b>	بالتاسميمان	C = 11 -					
16.		ures of cardiac tamp				ving e	except :			
	(1)	Decrease in B. P du		-						
	(2)	Decrease in JVP du	urin	g inspiration	on.					
	(3)	Dysponea.								
	(4)	Sinus tachycardia.								

17.	Systolic blood pressure due to anxiety white coat hypertension can go by :										
	(1)	7 to 17mm of Hg.		(2)	17 to	o 27mm of H	[g.				
	(3)	27 to 37mm of Hg.		(4) 1mm to 7mm of Hg.							
18.	A p	atient with constrictive	pericarditis	prese	ented	with heart fa	ilure. H	e is	s likely to hav	e all	
	(1)	Pedal edema.		(2)	Tender hepatomegaly.						
	(3)	Anorexia and nausea		(4)	Pror	ninent bilate	ral basal	l cr	epitations.		
19.	A patient who underwent angioplasty with stenting to LAD was discharged on 80mg of Atorvastatin. He came back after 3 weeks with complaints of pain in the legs. The blood test to be done is this case is :										
	(1)	CPK. (2)	Creatinine	е.	(3)	SGOT.	(4)	)	SGPT.		
20.	Star	dard equipment used fo	or measurir	ng blo	od pr	essure :					
	(1)	Thermometer.		(2)	Defi	brillator.					
	(3)	Glucometer.		(4)	Sph	ygmomanom	neter.				
21.	Non-pharmacological management for hypertension includes following except :										
	(1)	Lowering body weigh	nt.	(2)	Restriction of dietary sodium.						
	(3)	Cessation of smoking.		(4)	Calcium channel blocker.						
22.	First choice found to retard the progression of diabetic nephropathy and reduce albuminuria are :										
	(1)	Antibiotics.		(2)	Ant	ihistaminics.					
	(3)	Proton pump inhibito	ors.	(4)	ACI	EI and ARBS					
23.	Side	e effects potassium spari	ing diuretic	s exce	pt:						
	(1)	Hypokalemia.		(2)	Нур	erkalmia.					
	(3)	Gynaecomastia.		(4)	Gas	trointestinal	sympton	ns.			
24.	Tors	semide is :									
	(1)	Calcium channel bloc	ker.	(2)	AC)	EI.					
	(3)	Beta - Blocker.		(4)	Diu	retic.					

	(1)	Ezetimibe.	(2)	Niacin.							
	(3)	Atorvastatin.	(4)	None of the above.							
26.	Whi	ich of these following drug bel	ongs to ty	pe III Phosphodiestarase inhibitors ?							
	(1)	Sodium nitropruside.	(2)	Milrinone.							
	(3)	Levosiniendone.	(4)	Sildanafil.							
27.	All	are true about auscultatory ga	p except :								
	(1)	Does not effect measurement	t of Diasto	lic B. P.							
	(2)	Elevate cuff pressure high be	eyond disa	appearance of brachial pulse.							
	(3)	) It's the difference of BP between first appearance of Korot Koff sounds and the one at lower levels.									
	(4)	Mistakenly high B.P is measi	ured.								
28.	All a	are features of cardiogenic sho	ck except	· •							
	(1)	Cold clammy peripheries.									
	(2)	Systolic BP less than 80mmH	lg.								
	(3)	Cardiac index less than 1.8 I	$L/mt/m^2$ .								
	(4)	PCWP less than 18mmHg.									
29.	All are true about management of cyanotic spell except :										
	(1)	IV digoxin.	(2)	Knee chest position.							
	(3)	Subcutaneous morphine.	(4)	Oxygen inhalation.							
30.	Wha	at should be avoided in case of	RVMI ?								
	(1)	IV fluid.									
	(2)	Inotropes.									
	(3)	β-blockers.									
	(4)	Preload reducing drugs.									
31.	Whi	ch of the following thrombolyt	ic agent is	administered as a single bolus dose?							
	(1)	Streptokinase.									
	(2)	Urokinase.									
	(3)	Tenecteplase.									
	(4)	Reteplase.									

25. This agent that inhibits cholesterol absorption by the enterocytes.

	AII	All of the followings are features of unstable angina except :										
	(1)	Angina at rest										
	(2)	Crescendo ang	gina.									
	(3)	Angina on exe	rtion of l	last 1 year	r dura	ition.						
	(4)	Dynamic ST cl	nanges at	t rest asso	ciatec	d with	chest pain.					
33.	Orth	nopnea refers to	:									
	(1)	Comfortable or	n lying d	lown.	(2)	Discomfort on recumbent position.						
	(3)	Comfortable or	n sitting	up.	(4)	Comfortable on trendelenburg position.						
34.	Following are treatments of prinzmetal angina except :											
	(1)	Aspirin.		(2)	Nitr	ates.						
	(3)	Calcium chanr	nel blocke	er. (4)	Beta	blocl	ker.					
35.	In h	eart failure due t	to Beri Be	eri therap	y is :							
	(1)	Digitalis alone.			(2)	Thia	mine alone.					
	(3)	Digitalis + diui			(4)	Thia	mine + digitalis	+ diur	etics.			
36.	ECC	G features of pulr	nonary t	hromboer	nbolis	sm are	all of the follow	ving ex	cept :			
	(1)	RBBB.			(2)	$S_1Q_1$	$_3T_3$ Pattern.					
	(3)	Ventricular arr	·hythmia	s.	(4)	ST-T changes in anterior and inferior leads.						
		Which of the following drug belongs to thiazide group of Diuretics?										
37.	Whi	ch of the followi	ng drug	belongs to	o thia:	zide g	roup of Diuretic	s?				
37.	Whi	ch of the followi Torsamide.	0 0	belongs to Eplerenon		zide g (3)	roup of Diuretic Indapamide.	(4)	Amiloride.			
37. 38.	(1)	Torsamide. ntreated hyperte	(2) I	Eplerenon	ie.	(3)	Indapamide.	(4)	Amiloride. th coronary arter	у		
	(1) In u	Torsamide. ntreated hyperte	(2) I	Eplerenon	ie.	(3)	Indapamide.	(4)		'n		
	(1) In u disea (1)	Torsamide. ntreated hyperte ase :	(2) If ension pa	Eplerenon atients wl	ie. hat pe	(3) ercent	Indapamide.  age of patients  50%	(4) die wi (4)	th coronary arter	·y		
38.	(1) In u disea (1)	Torsamide. ntreated hyperte ase : 15%	(2) If ension particles (2) 3 and drug	Eplerenon atients wl	hat pe	(3) ercent (3) and 1	Indapamide.  age of patients  50%	(4) die wi (4)	th coronary arter	.у		
38.	(1) In u disea (1) Whice (1)	Torsamide.  ntreated hyperte ase: 15%  ch of the followin	(2) If ension particles (2) 3 ang drug (2) A	Eplerenon atients wl 33% has both Acebutolo	hat pe	(3) ercent (3) and 1	Indapamide.  age of patients  50%  beta blocker effe	(4) die wi (4)	th coronary arter 26%	.у		
38. 39.	(1) In u disea (1) Whice (1)	Torsamide.  ntreated hypertease:  15%  ch of the following Bisoprolol.	(2) If ension particles (2) 3 ang drug (2) A	Eplerenon atients wl 33% has both Acebutolo	hat pe	(3) ercent (3) and 1 (3)	Indapamide.  age of patients  50%  beta blocker effe	(4) die wi (4)	th coronary arter 26%	У		

41.	SI	elevation in ECG in lead	ds V <sup>1</sup> to V <sup>2</sup> (	denot	es:						
	(1)	Antero septal MI.		(2)	Late	ral or apical MI.					
	(3)	Extensive anterior wa	all MI.	(4)	Infe	rior wall MI.					
42.	All	are absolute contra ind	ication for t	hrom	bolysi	s in acute MI exc	ept :				
	(1)	In a prior intracrania	l bleed.	(2)	Isch	aemic stroke thro	ee moi	nths.			
	(3)	Active peptic ulcer.		(4)	Pres	ence of intracrar	nial tu	mors.			
43.	Lar	gest endocrine organ in	the body:								
	(1)	Pituitary gland. (2)	Pancreas.		(3)	Liver.	(4)	Endothelium.			
44.		owing class of drugs ents :	has proved	l to h	ave n	nortality benefit	in ch	ronic heart failure			
	(1)	ACE inhibitors.		(2)	IV F	rusemide.					
	(3)	Oral Digoxin.		(4)	Inte	rmittent inotropi	c supp	oort.			
<b>45</b> .	Dop	pamine and dobutamine	e are :								
	(1)	Beta adrenergic agon	ists.	(2)	Synt	hetic catecholan	nine.				
	(3)	Phosphodiesterase in	hibitor.	(4)	Pure	alpha agonists.					
<b>46</b> .	All are complications of long standing uncontrolled hypertension except :										
	(1)	S3/S4 gallop. (2)	LVH.		(3)	Heart failure	(4)	Aortic stenosis.			
<b>47.</b>	Sym	ptoms of heart failure	includes all	excep	ot:						
	(1)	PND.		(2)	Cough/haemoptysis.						
	(3)	Anasarca.		(4)	Dys	onoea.					
18.	Mor	bid obesity is defined in	n men and v	wome	n resp	ectively at what	BMI le	evels :			
	(1)	31.1 and 32.3 (2)	35.3 and 3	38.3	(3)	30.1 and 31.3	(4)	28.1 and 31.3			
19.	Corı	ect position of V3 ches	t lead while	takin	g ECC	G:					
	(1)	Between $V_2$ and $V_4$ c	hest leads.								
	(2)	Left fifth intercostals	space mid c	lavicu	ılar lir	ne.					
	(3)	Left fourth parasterna	al space.								
	(4)	Left fourth inter costa	ıl space in n	nid cla	avicul	ar line.		_			

50.		The drug of choice for systemic hypertension in a patient with benign hypertrophy of prostate :										
	(1)	Metoprolol.	(2)	Doxazosin.	(3)	Amlodepine.	(4)	Thiazide.				
51.	Whi	ch of the followi	ing car	ries high mortali	ity risk	:						
	(1)	Inferior wall M	II with	СНВ.								
	(2)	Anterior wall 1	MI wit	h CHB.								
	(3)	50% resolution	of ST	elevation is ante	erior w	all MI following	throm	bolytic therapy.				
	(4)	Anterior wall	MI wit	h accelerated id:	io vent	ricular rhythm.						
52.	Whi	ch creatine - Kin	ase isc	-enzyme is relat	tively s	pecific for heart	?					
	(1)	CK - MM	(2)	CK - BB	(3)	CK - MB	(4)	All of the above				
53.	Tall	R in $V_1$ can be c	aused	by:								
	(1)	Duchenne mus	scular	dystrophy.								
	(2)	RVH.										
	(3)	Posterior MI.										
	(4)	Rt. Sided acces	ssory p	athway with pr	e excita	ation.						
54.	Which of the following auscultatory finding indicates systolic dysfunction in an elderly											
	patie	ent ?										
	(1)	$S_4$	(2)	$S_1$	(3)	$S_2$	(4)	$S_3$				
55.	Which of the following does not characterize a vulnerable plaque ?											
	(1)	Few smooth m	uscle i	n the fibrous caj	ρ.							
	(2)	Thick fibrous o	сар.									
	(3)	Soft lipid rich	core.									
	(4)	Macrophage ir	ıfiltrati	on of the should	ler regi	ion.						
56.	Whi	ch of the followi	ing is c	onsidered as co	ronary	artery disease ec	<sub>l</sub> uivale	nt ?				
	(1)	Diabetes mellit	tus.	(2)	Smo	king.						
	(3)	Systemic hype	rtensio	n. (4)	Dys	lipidemia.						
57.	Follo	owing statement	s abou	t milrinone are t	rue ex	cept :						
	(1)	Ü		oic effect on the		•						
	(2)	It is a potent v	_									
	(3)	It reduces left	ventric	ular filling press	sure in	patients with he	art fail	ure.				
	(4)	It is phosphod	iesteras	se inhibitor.								

58.	In c	coronary circulation, following are	e reterre	ed as resistance vessels :							
	(1)	Kogel's artery.	(2)	Mural artery.							
	(3)	Intramyocardial arterioles.	(4)	Epicardial coronary artery.							
59.	In cl	hest X-ray: alveolar edema sugge	sts puln	nonary venous pressure is likely to be :							
	(1)	12 to 18mmHg (2) 19 to 24:	-	•							
60.	60. A 60 yrs old hypertensive patient has come to the OPD for routine check-up. He gives history of rise in blood pressure during OPD visits regularly, though the pressure remains well controlled otherwise. The most likely diagnosis is:										
	(1)	Renal hypertension.	(2)	White coat hypertension.							
	(3)	Both of the above.	(4)	None of the above.							
61.	Calc	cification is earliest sign of :									
	(1)	Tuberculosis.	(2)	Coronary artery disease.							
	(3)	Hypertension.	(4)	Diabetes.							
62.	stair	ong distance runner suddenly fors. He is in NYHA class:  I (2) II	und hir	nself breathless in walking up three flights of  (3) III (4) IV							
		· ,									
63.	-	atient suddenly collapsed in the er rate of 170 bpm. The most appro	_	y. The monitor showed a wide QRS tachycardia reatment will be :							
	(1)	Defibrillation.	(2)	Ventilation.							
	(3)	Chest compression.	(4)	I. V amiodarone.							
64.	-	atient with dilated cardiomyopathying is planned after 48 hrs. The in	•	plood pressure of 80/40mmHg. His biventricular to be used in this case is :							
	(1)	Dopamine. (2) Epineph	rine.	(3) Dobutamine. (4) Nor epinephrine.							
65.											

66.	Which of the following is likely to precipitate symptomatic heart failure in patients with previously compensated LV contractile dysfunction?										
	(1)	AF			(2)		dissociation.				
	(3)	Marked sinus	bradyo	ardia.	(4)	All	of the above.				
67.	The	· ·	_	0		~	al rupture during	acute	MI except :		
	(1)	The diagnosis	is conf	irmed by ar	ıgiogr	aphy.					
	(2) (3)										
	(4)										
		murmur in the left parasternal region.									
68.	Radiological features of heart failure include all the following except :										
	(1)	Kerley - B lines	s appea	ar once pulr	nonar	y ven	ous pressure exce	eeds 1	4mmHg.		
	(2) Increased cardiothoracic ratio.										
	(3)	Cephalisation (	once p	ulmonary v	enous	press	sure exceeds 12m	mHg.			
	(4)	Interstial oeder	ma app	pears once p	oulmo	nary v	venous pressure o	exceed	ls 12mmHg.		
69.	After 3 weeks of myocardial infarction a patient develops a systolic and diastolic scratcy murmur of a pericardium. Which is the most probable diagnosis?										
	(1)	Mitral regurgit			(2)	VSE	•				
	(3)	Pseudoaneury			(4)		ssler syndrome.				
70.	Rare approach for coronary angiogram :										
	(1)	Right radial.	(2)	Left femor	ral.	(3)	Right femoral.	(4)	Left radial.		
71.	In a	dults in basic life	e suppo	ort what is 1	atio c	of ches	t compression to	artific	cial breath:		
	(1)	15:2	(2)	30:1		(3)	10:5	(4)	1:1		
72.	Adv	anced cardiac lif	e supp	ort is best o	lone i	n :					
	(1)	Home.	(2)	Road.		(3)	Hospital.	(4)	School		
73.	Wha	nt is the electrical	l energ	y level used	for d	efibri]	lation ?		•		
ì	(1)	200 Joules - 200	0 Joule	s - 360 Joule	es.						
	(2)	50 Joules - 100	Joules	- 150 Joules	S.						
	(3)	360 Joules - 200	0 Joule	s - 100 Joule	es.						
	(4)	100 Joules - 200	0 Joule	s - 300 Joule	es.						

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	(1)	Atrial fibrillation.	(2)	Ventricular fibrillation.							
	(3)	Ventricular tachycardia.	(4)	Sinus rhythm							
75.	Wha	at is the key treatment for success	of V.	F. ?							
	(1)	Chest compression.	(2)	O <sub>2</sub> inhalation.							
	(3)	Electrical defibrillation.	(4)	IV fluid.							
76.	Mer	ntion any two drugs used in acute	pulm	onary edema and route :							
	(1)	Serenace and Paracetamol intra	muscu	ılarly.							
	(2) Morphine and Frusemide subcutaneously.										
	(3)	Morphine and Frusemide intrav	enous	ly.							
	(4)	Lorazepan and Heparin intrave	enously	y.							
77.	In c	ardiac tamponade most importan	t inves	etigation is:							
	(1)	ECG.	(2)	Echocardiography.							
	(3)	CK - MB.	(4)	None of the above.							
78.	Cor	onary bypass surgery reduces mo	rtality	in:							
	(1)	Two vessel disease with normal	LV fu	inction.							
	(2)	Single vessel disease with LV dy	ysfunct	tion.							
	(3)	Triple vessel disease with LV dy	sfunct	tion.							
	(4)	(4) Patients with chronic stable angina.									
79.	Nev	v York Heart association classifica	tion fo	or heart failure class IV is :							
	(1)	Ordinary physical activity does	not ca	use any symptoms.							
	(2)	Marked limitation of physical a	ctivity.								
	(3)	Inability to carry out any physic	al acti	vity without symptoms. Symptoms even at rest.							
	(4)	Slight limitation of physical acti	vity.								
80.	Nan	ne one condition that can impose	a pres	sure overload on the Heart.							
	(1)	Hypertension.	(2)	Diabetes.							
	(3)	Aortic regurgitation.	(4)	Ventricular septal defect.							
81.	Majo	or criterias includes the following	in Fra	mingham criteria for diagnosis of heart failure :							
	(1)	Paroxysmal nocturnal dyspnoea	a. (2)	Neck vein distension.							

74. What is the commonest rhythm seen during cardiac arrest?

(4)

Acute pulmonary edema.

Bilateral ankle edema.

(3)

82.	Non	pharmacological	meas	ures include	e all i	n heai	rt failure except :		
	(1)	Oxygen adminis			(2)		ght loss.		
	(3)	Diuretic therapy			(4)	`	ary salt restrictio	n.	
83.	Wha	it is the best posit	ion fo	r the patien	t in n	nanag	ing acute pulmor	nary e	dema ?
	(1)	Supine.	(2)	Prone.		(3)	Propped up.	(4)	Left lateral.
84.	Loop	o diuretic :							
	(1)	Amiloride	(2)	Triameteri	ne.	(3)	Bumetanide.	(4)	Eplerenone.
85.	Keitl	n - Wagner classif	icatio	n describes	:				
	(1)	Grade of protein	nuria	in HTN nep	hropa	athy.			
	(2)	Doppler signs in	reno	vascular H	TN pa	atient.			
	(3)	Atherosclerotic of	chang	es in ascend	ding a	orta i	n hypertension p	oatient	s.
	(4) Retinal changes in HTN patients.								
86.	Mos	t favoured drug i	n ven	tricular Tacl	hycar	dia :			
	(1)	IV Sotalol.			(2)	IV L	ignocaine.		
	(3)	IV Procainamide	2.		(4)	IV A	amiodarone.		
87.	All a	re routine drugs	that a	re used dur	ing in	nmedi	ate post MI perio	od exc	ept :
	(1)	ACE inhibitors.			(2)	Beta	blockers.		
	(3)	Calcium channe	l blo	ckers.	(4)	Stati	ns.		
88.	Rouş	ghly how many p	ercen	tage of untr	eated	hype	rtensives die of r	enal fa	ailure ?
	(1)	1 %	(2)	50%		(3)	15%	(4)	30%
89.	In in	ferior wall MI ST	eleva	tion in seen	is all	excep	ot:		
	(1)	II lead.	(2)	III lead.		(3)	I lead	(4)	aVF.
90.	Cent	ral alpha 2 agonis	sts are	e all the foll	owing	g exce	pt:		
	(1)	Clonidine.	(2)	Methyldop	oa.	(3)	Metoprolol	(4)	Reserpine.
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