

CARDIOVASCULAR DRUG THERAPY

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AIM

Study of drugs therapy (name ,dose ,coast ,regularity and supply) in different cardiovascular diseases :- IHD & Hypertension & Heart failure & Rheumatic heart)

METHOD

- Common sheet for IHD
- Main investigators
- Many sub-investigators
- The following cities { بنها – أسيوط – سوهاج - طنطا - القاهرة – الاسكندرية – المنصورة – الشرقية – كفر الشيخ – المنوفية }
- Central station = BENHA
- Expected number of IHD patients >10 000 pats.
- Time = 6 months
- Two Egyptian pound/ sheet .

SHEET

PERSONAL HISTORY

NAME :

SEX : *M*

F

AGE :

JOB :

ADDRESS :

(Rural

&

Urban)

EDUCATION:

High

&

Intermediate

&

Illiterate

SHEET

RISK FACTORS

(+ve & -ve)

DIABETES:

HYPERTENSION:

FAMILY HISTORY:

WIGHT / HEIGHT:

SMOKING:

LPID PROFILE:

SHEET

DIAGNOSIS:-

(NO & +ve & -ve)

Clinical examination / year :

CLINICAL : Normal

IHD (*Stable* & *Unstable*)

BLOOD PRESSURE :

H.R :

ECG :

Normal

MI

ST&T

BBB

EX. ECG :

SHEET

DIAGNOSIS:-

(NO & +ve & -ve)

MYOCARDIAL IMAGING :

ECHO :

Normal

RWMA

ANURYSIUM

HF

EX. ECHO. :

CORONARY ANGIO. :

PCI :

CABG :

SHEET

GROUPS parameters	Name	Conc.	Dose	Regular ity	Supply
ANTIPLATELET					
NITRATES					
BETA-BLOCKER					
C.C. BLOCKER					
ACEIs					
ARBs					
TRIMETAZIDINE					
STATIN					

STATISTICAL ANALYSIS

- The mean age ,sex ,job ,address ,education in the IHD patients ? Their effects on the different parameters of cardiovascular drugs therapy ?
- The incidence of each risk factor in IHD ? The effect of the drugs in controlling the risk factors ?
- How much the noninvasive and invasive diagnostic tests were applied ? And their results?

STATISTICAL ANALYSIS

- How much are the generic drugs used ?
- Are the drugs used in the recommended dose ?
- Are the Egyptian IHD patients strict regular in their drugs ?
- Are the patients in a good contact with their physicians ?
- What are the main supply for the drugs ?
- The percentage of controlled patients ?

Blood Pressure Classification

BP Classification	SBP mmHg		DBP mmHg
Normal	<120	and	<80
Pre-Hypertension	120–139	or	80–89
Stage 1 Hypertension	140–159	or	90–99
Stage 2 Hypertension	≥160	or	≥100

Sex distribution of the studied patients and controls

	All patients	
	N	%
Females	60	30
Males	140	70
Total	200	100

Classification of Overweight and Obesity by BMI

	Obesity class	BMI (kg/m ²)
Underweight		< 18.5
Normal		18.5 - 24.9
Overweight		25.0 - 29.9
Obesity	I	30.0 – 34.9
	II	35.0 - 39.9
Extreme Obesity	III	≥ 40

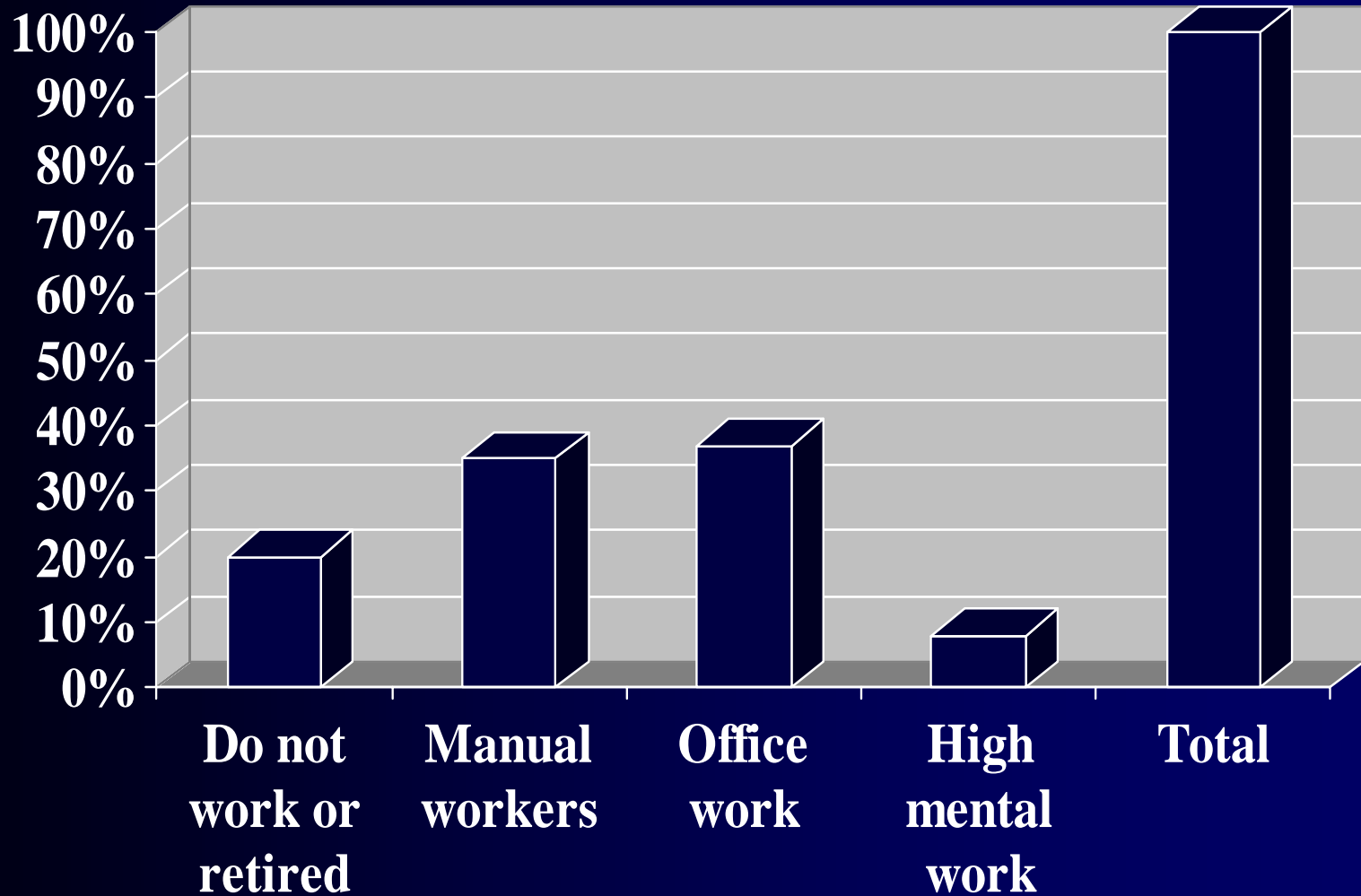
Table (2): General characteristics of all the studied patients

	Studied group Mean \pm SD
Age	52.5 \pm 14.0
Weight	84.0 \pm 15.9
Height	168.8 \pm 8.05
Pulse	86.5 \pm 10.7
Systolic BP	145.4 \pm 15.8
Diastolic BP	93.4 \pm 5.2

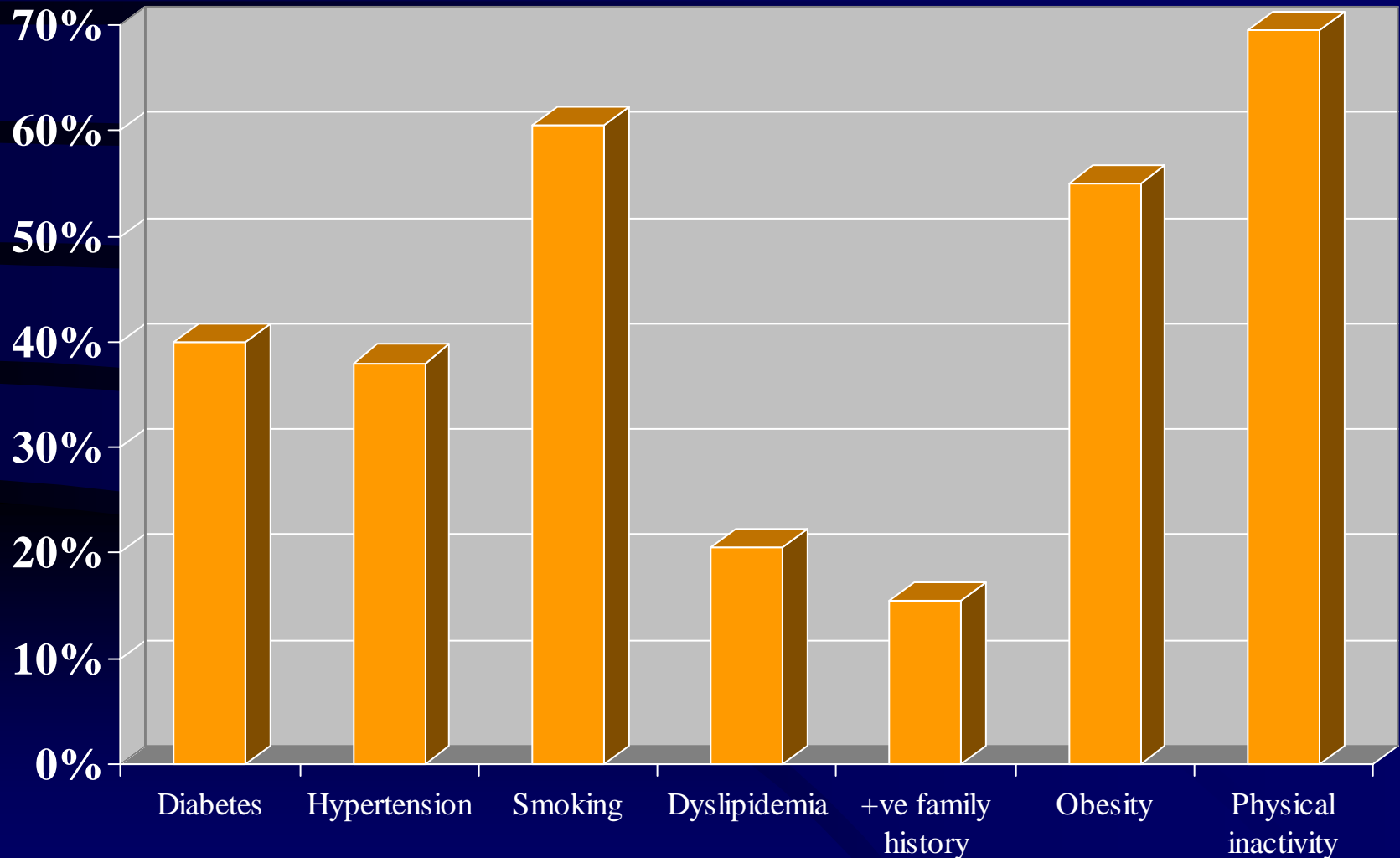
Educational level of all the studied patients

	Studied group	
	N	%
Illiterate	17	8.5
Read and right.	43	21.5
Middle education	87	53.5
High education	53	26.5
Total	200	100

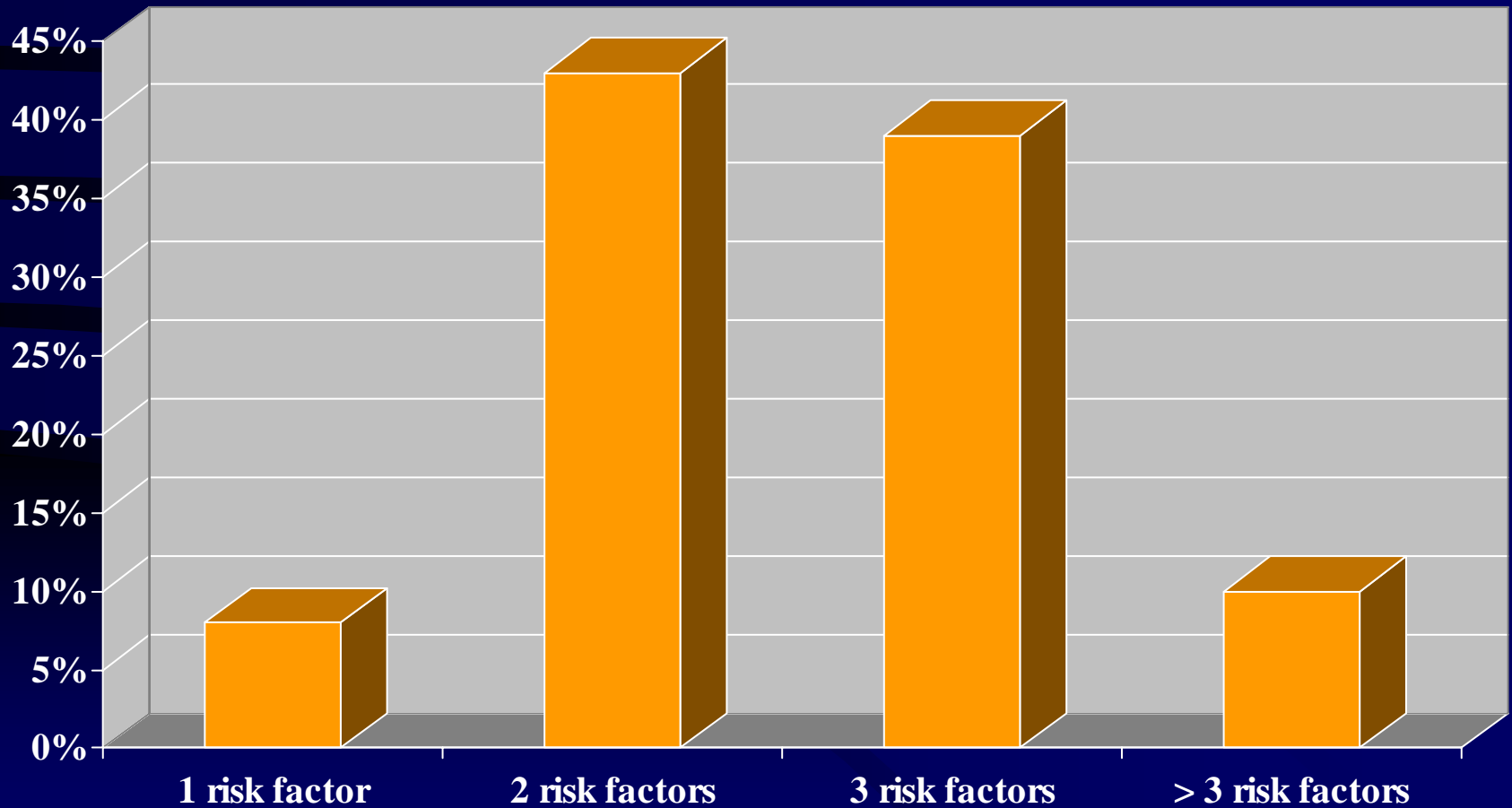
occupation of the studied patients



Distribution of the risk factors for CAD among the studied patients

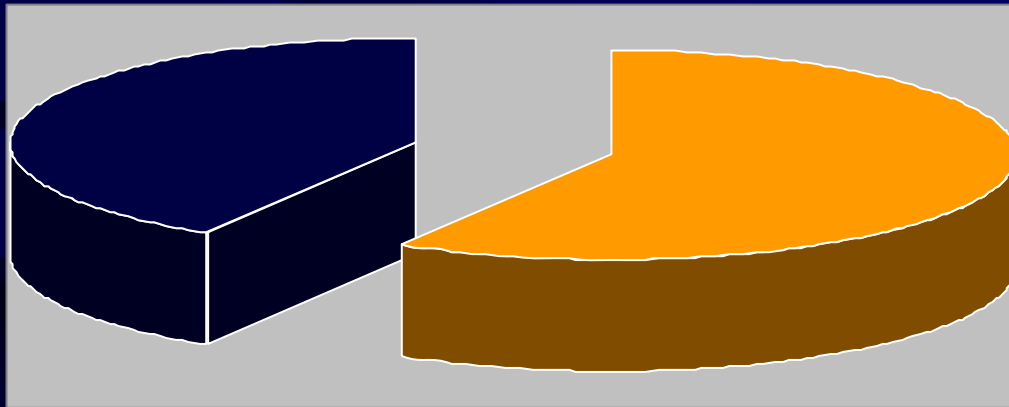


Distribution of the number of risk factors for CAD among the studied patients



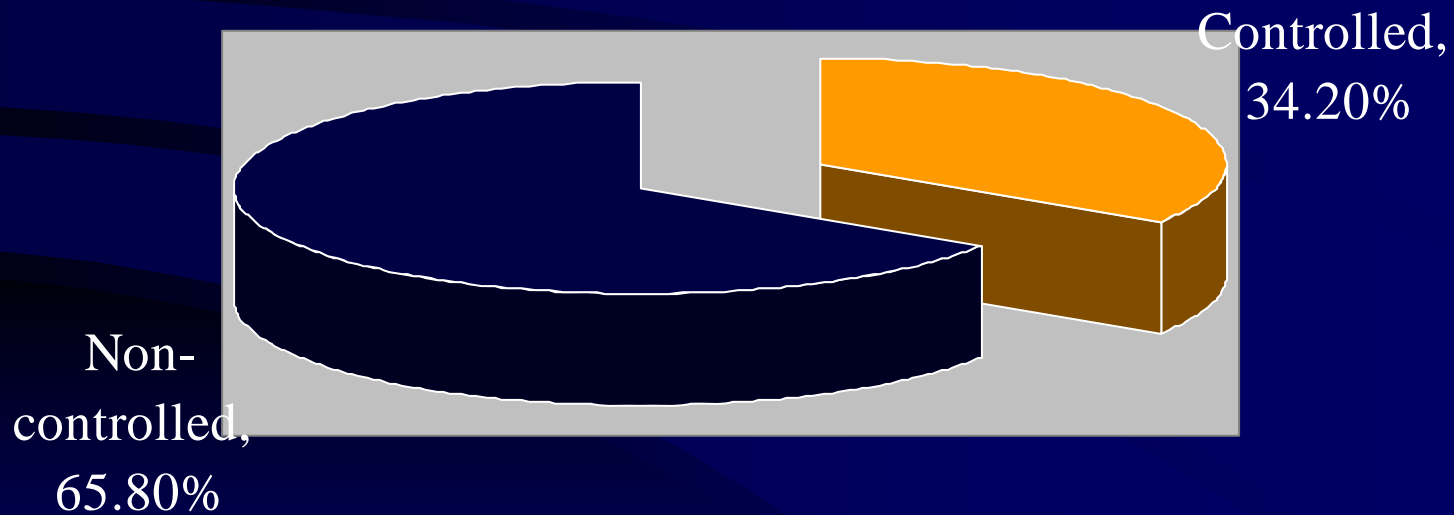
Control of diabetes among diabetics

Non-
controlled,
41.30%



Controlled,
58.70%

Control of hypertension among hypertensives



Distribution of obesity among the obese patients

