



Results & Tables

RESULTS AND TABLES

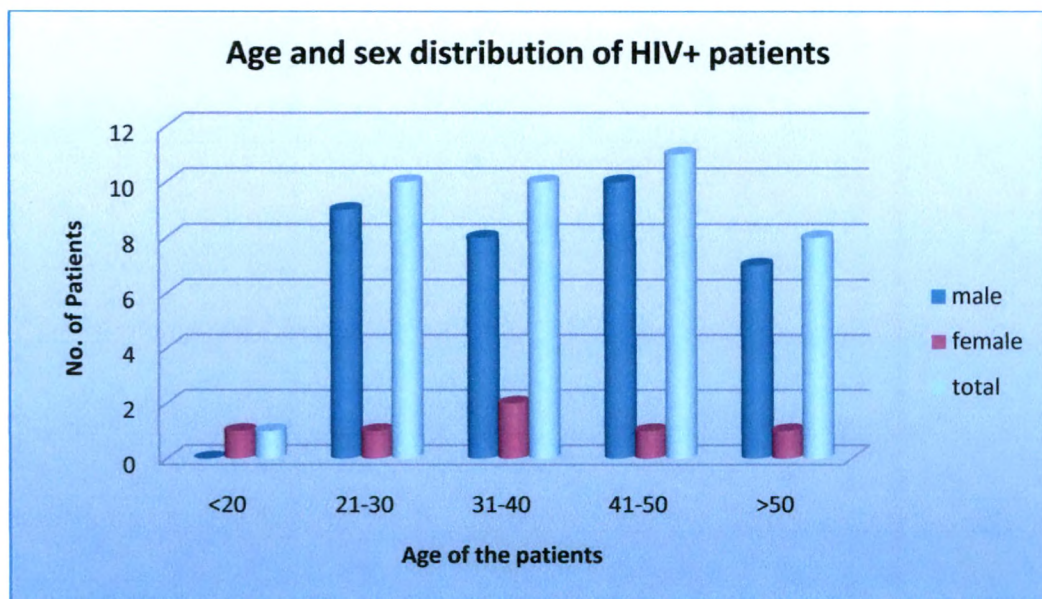
The present study comprises of 40 SERO-POSITIVE HIV infected patients having cardiac and renal complications of HIV, both indoor & outdoor at SSG Hospital, Vadodara from NOV 2008 to NOV 2010. The required details and data were collected as per the protocol outlined in chapter 4 (material and methods), proforma and master chart and were analyzed to derive the results.

- 1) **Age and sex distribution of 40 sero-positive HIV infected patients with cardiac and renal manifestations:**

TABLE - 1

Age/Sex	Male		Female	
	No. of pts	%	No. of pts	%
12-20	0	0	1	2.5
21-30	9	22.5	1	2.5
31-40	8	20	2	5
41-50	10	25	1	2.5
>50	7	17.5	1	2.5
Total	34	85	6	15

GRAPH-1

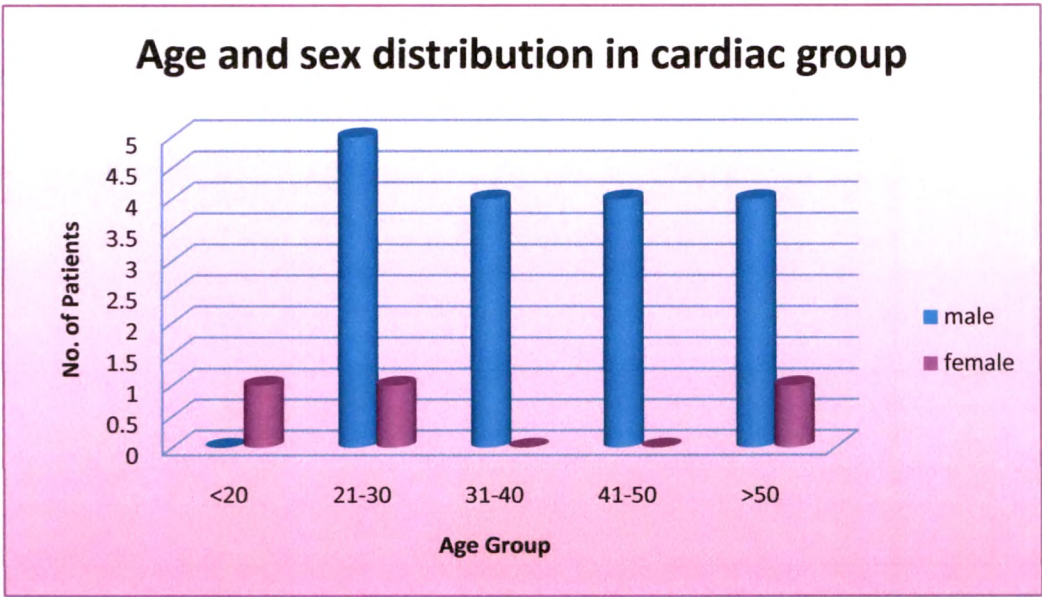


A) Sex and age distribution among CARDIAC PATIENTS. (18 patient with cardiac manifestations + 2 having both cardiac and renal manifestation)

TABLE-2

Age/Sex	MALE		FEMALE	
	No. of pts	%	No. of pts	%
12-20	0	0	1	5
21-30	5	25	1	5
31-40	4	20	0	0
41-50	4	20	0	0
>50	4	20	1	5
Total	17	85	3	15

GRAPH-2

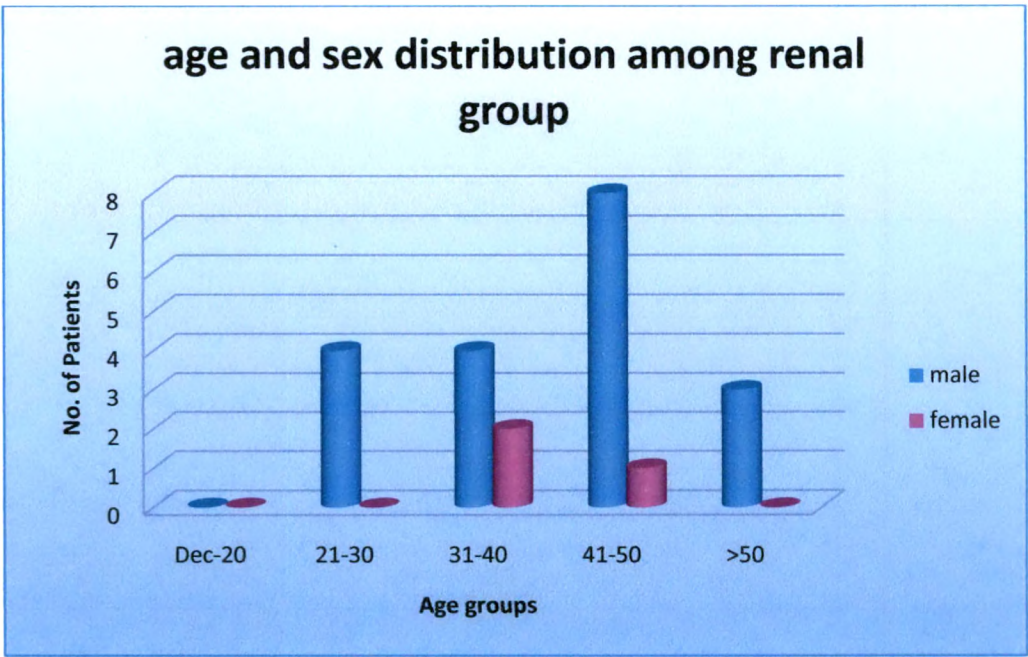


B) Sex and age distribution among RENAL PATIENTS. (20 patient with renal manifestations + 2 having both cardiac and renal manifestation)

TABLE-3

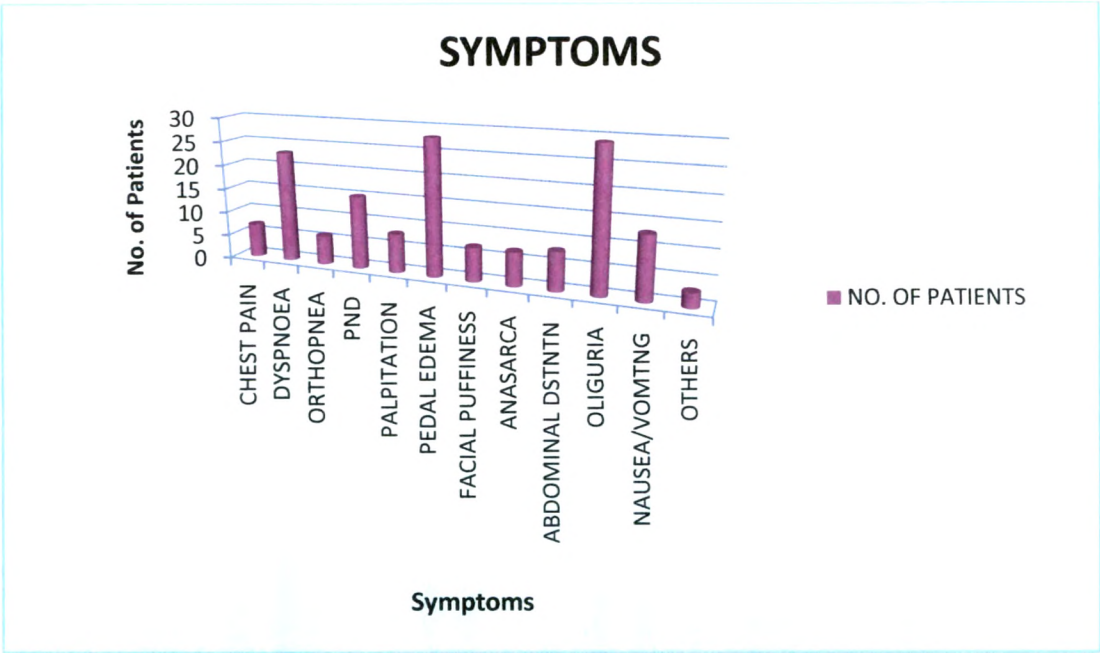
Age/Sex	MALE		FEMALE	
	No. of pts	%	No. of pts	%
12-20	0	0	0	0
21-30	4	18.8	0	0
31-40	4	18.8	2	9
41-50	8	37.6	1	4.5
>50	3	13.6	0	0
Total	19	86.6	3	13.5

GRAPH-3



2) Symptoms

GRAPH -4



3) Sexual exposure.

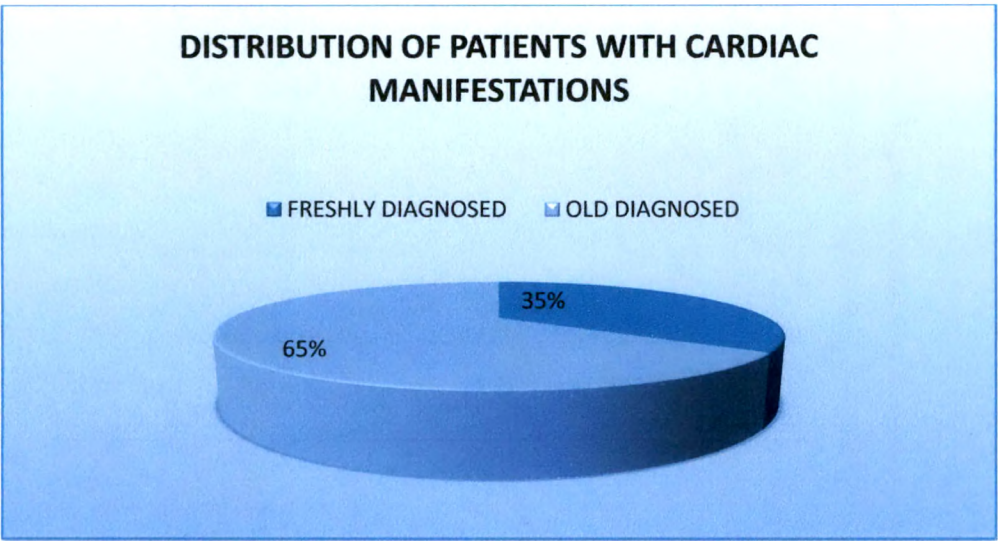
TABLE-4

No. of partners	No. of pts	Blood transfusion	% of total
None	4	0	10
1	21	9	52.5
>1	15	0	37.5

4) HIV/AIDS status of the patients.

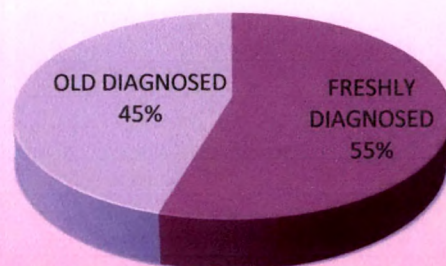
TABLE-5

MANIFESTATION	HIV STATUS				
					TOTAL
	FRESH		OLD		
CARDIAC	7	35	13	65%	20
RENAL	12	54%	10	45%	22



Of the total 20 patients with cardiac manifestations 13 already were diagnosed to have HIV , while 7 were freshly detected .

DISTIBUTION OF PATIENTS WITH RENAL MANIFESTATIONS



Of the 22 patients with renal involvement 12 were freshly detected HIV positive , while 10 were previously diagnosed to have HIV.

5) Past history.

TABLE-6

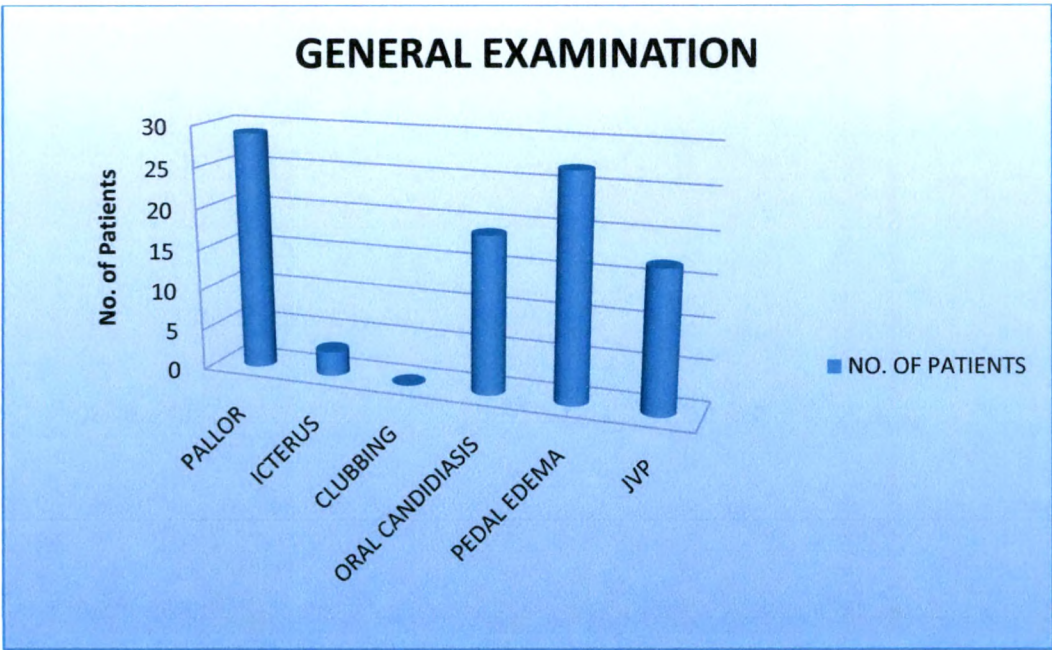
Past history	No. of pts	% of total
TB (Past/Present)	16	40
Blood transfusion	9	22.5
Surgery	0	

6) General examination

TABLE-7

General examination	No. of patients	Percentage %
Pallor	29	72
Icterus	3	7.5
Clubbing	0	0
Oral candidiasis	19	47.5
Pedal edema	27	67.5
JVP	17	42.5

GRAPH-5



7) Hemogram analysis :

TABLE-8

Hemogram parameter		No. of pts	% of total
Hemoglobin (gm %)			
>10.0		7	17.5
8.0-10.0		16	40
<8.0		17	42.5
Total WBC counts (/mm ³)			
<4000		11	27.5
4000-11,000		20	50
>11,000		9	22.5
ESR (mm/1 st hour)			
<40		11	27.5
40-80		24	60
80-100		5	12.5
>100		0	0

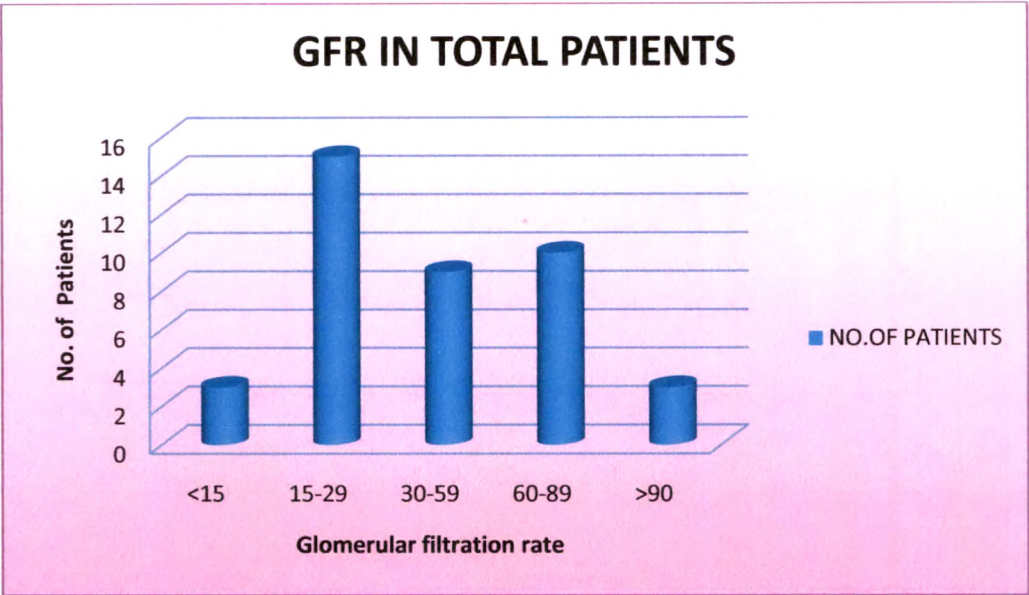
8) Urinary Albumin and analysis

TABLE-9

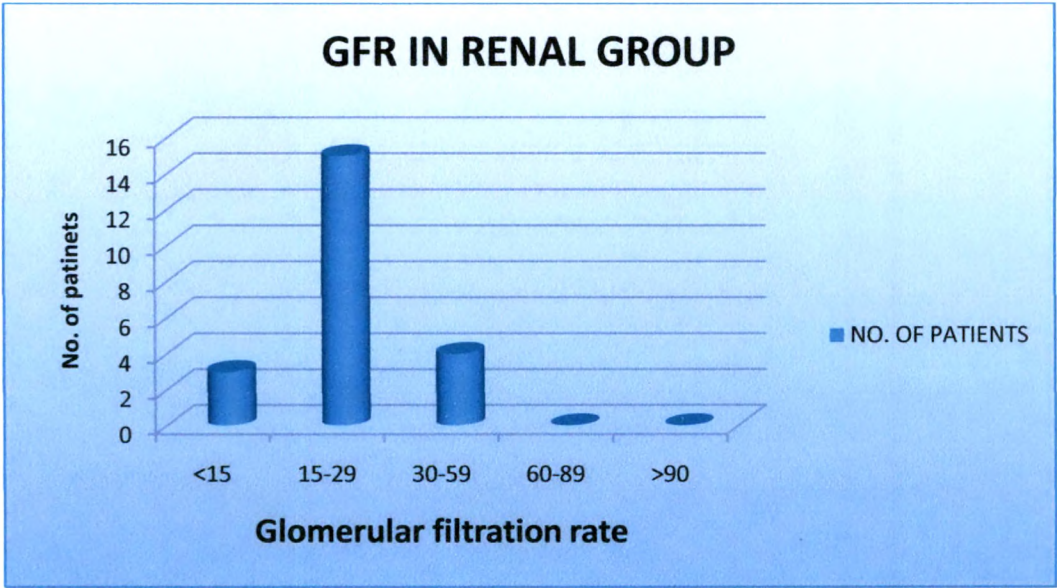
ALB		RENAL		TOTAL	
	No.	%		No.	%
NIL	0	0		16	40
1+	10	45.4		12	30%
2+	3	13.6		3	7.5%
3+or >	9	40.9		9	22.5%
TOTAL	22			40	

(9) GLOMERULAR FILTRATION RATE among total patients and that of renal involvement.

GRAPH-6

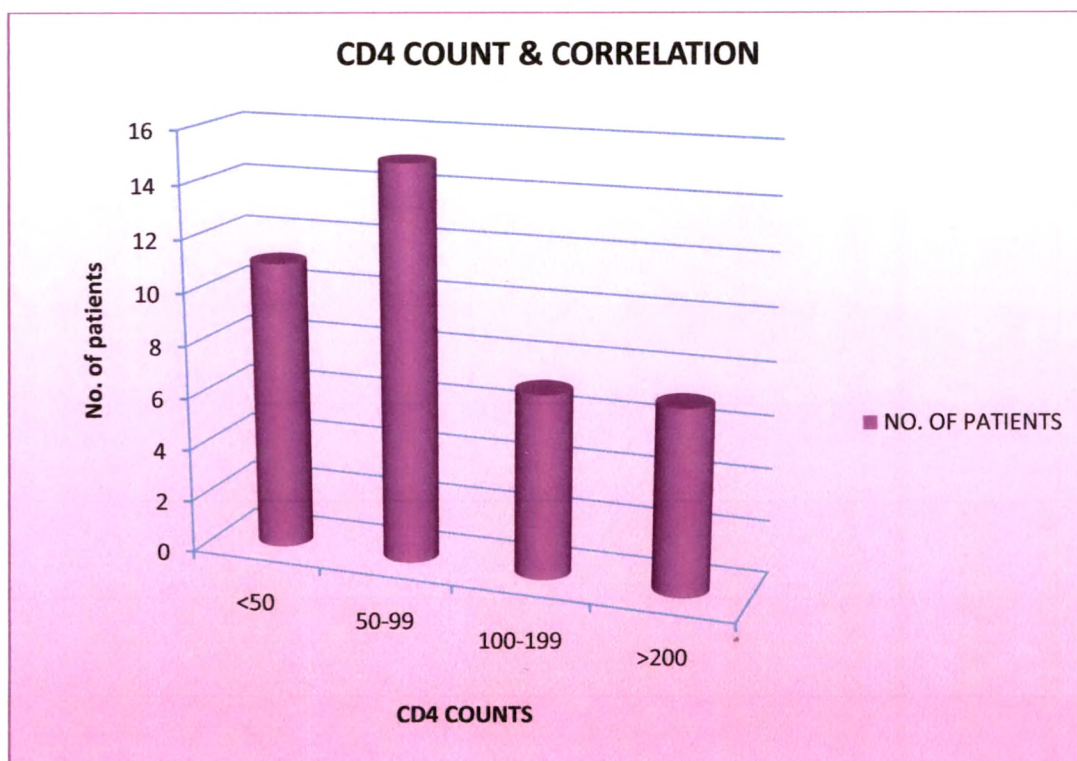


GRAPH-7



10) CD4 Count and correlations:

GRAPH-8



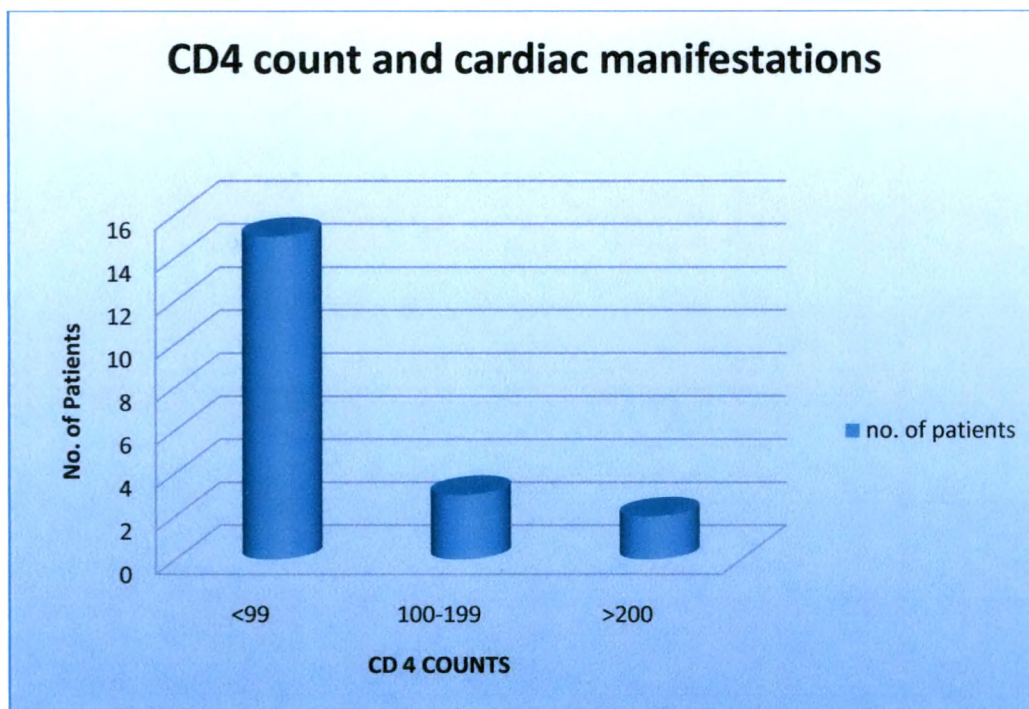
Out of 40 patients 33(82%) patients had CD4 count $<200/\text{mm}^3$ & 7(17.5%) patients had CD4 count $>200/\text{mm}^3$. Average CD4 count was $126/\text{mm}^3$.

A) CD4 count and cardiac manifestations -a correlation

TABLE-10

CD4 COUNT	No. of patients	Percentage%
< 99	15	75
100-199	3	15
>200	2	10

GRAPH-9

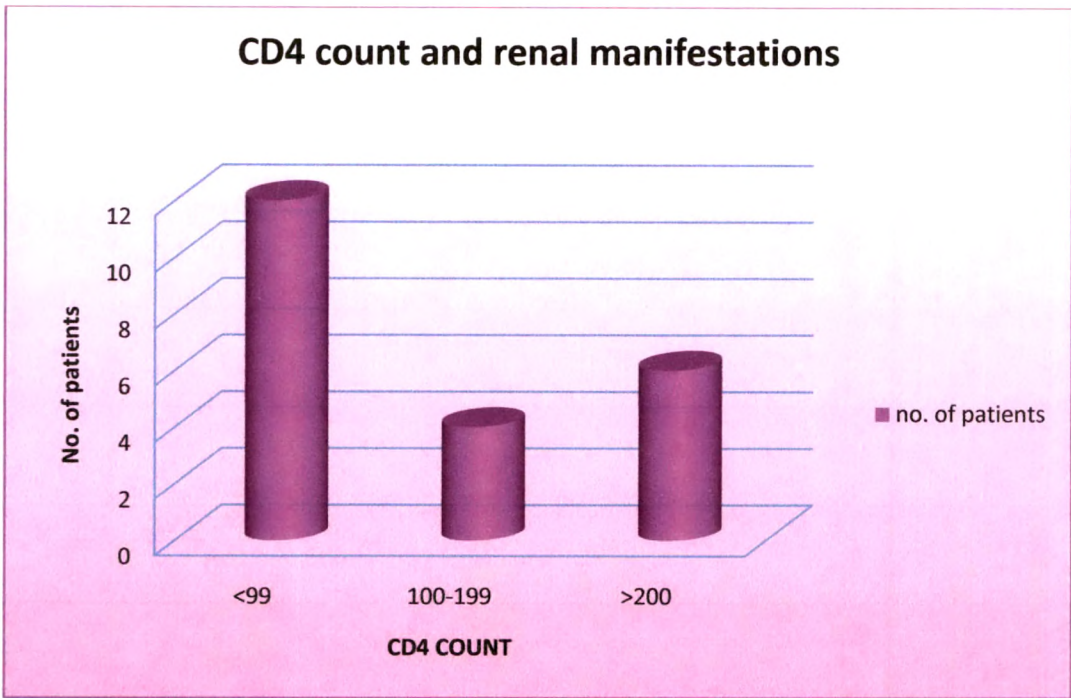


B) CD4 count and renal manifestations -a correlation

TABLE-11

CD4 COUNT	No. of patients	Percentage%
< 99	12	54.5
100-199	4	18.8
>200	6	27.2

GRAPH-10

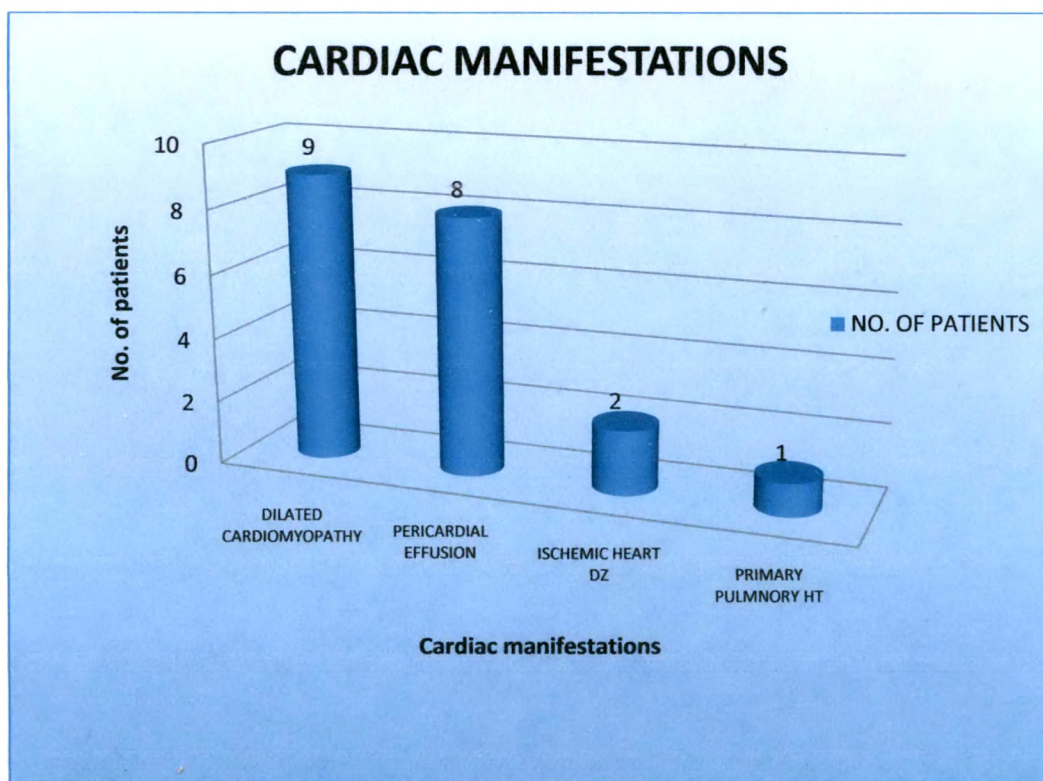


11) Cardiac manifestations and their frequency

TABLE-12

CARDIAC MANIFESTATION	No. of patients	Percentage%
Dilated Cardiomyopathy	9	45
Pericardial effusion	8	40
Ischemic heart disease	2	10
Primary pulmonary HT	1	5

GRAPH -11



12) (A) Renal manifestations and their frequency :

TABLE-13

RENAL MANIFESTATION	No. of patients	Percentage %
HIV associated nephropathy	7	31.8
Obstructive nephropathy	4	18.1
Others	11	50

GRAPH-12

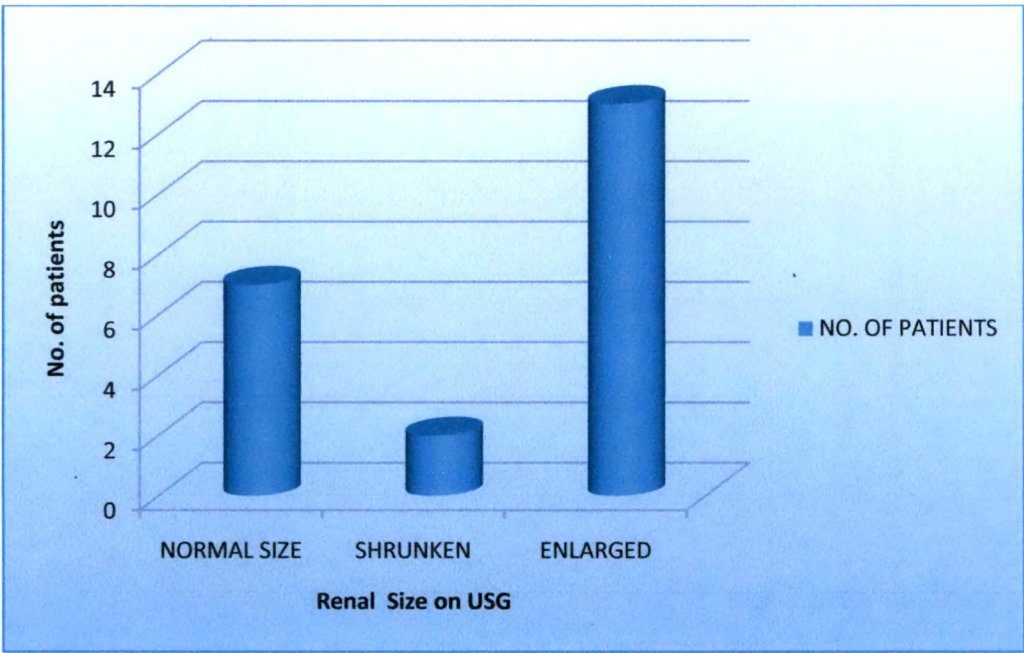


(B) Renal size on USG findings:

TABLE-14

SIZE as on USG	No. of patients	Percentage%
NORMAL SIZE	7	31.8
SHRUNKEN	2	9.09
ENLARGED	13	59.09

GRAPH-13

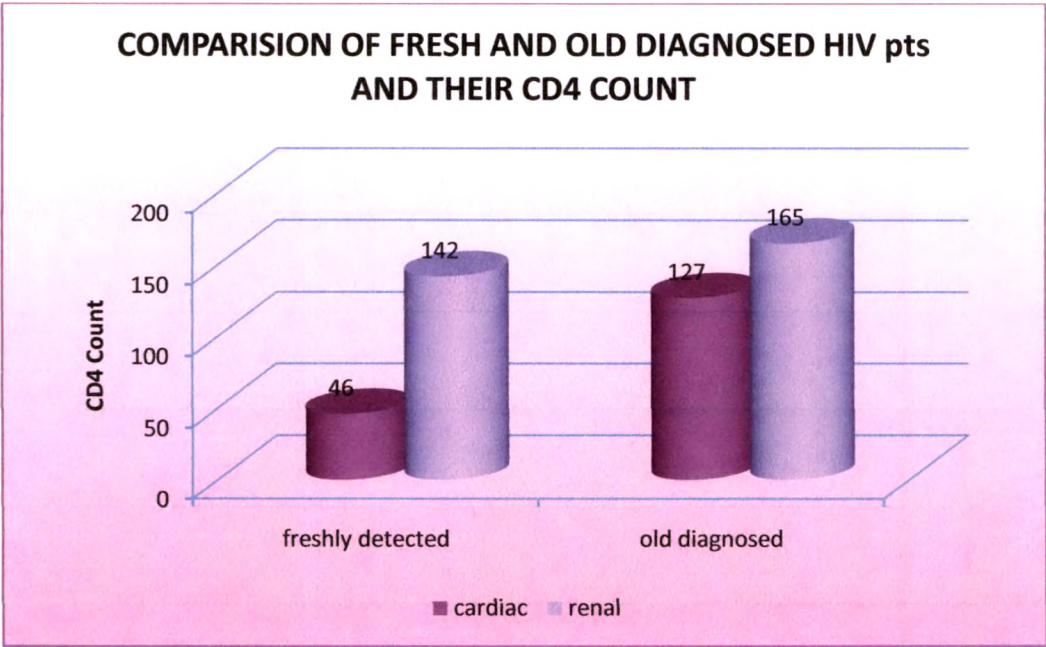


13) Data analysis of difference between freshly detected and old patients of cardiac and renal manifestations :

TABLE-15

VARIOUS PARAMETERS		FRESHLY DETECTED	OLD DIAGNOSED
CARDIAC pts	Average	46	127
	CD4(μl)		
RENAL pts	Average	142	165
	CD4(μl)		
	Average s. creat	3.12 mg/dl	4.01 mg/dl
TOTAL pts	Average	107	143
	CD4(μl)		
	Average Hb	8.28gm/dl	8.24gm/dl

GRAPH-14



14) Comparison of results of CVS manifestations in HIV infected patient among various studies

TABLE-16

DIAGNOSIS	Himelman et al	hakim et al	Corallo et al	Our study
Dilated cardiomyopathy	11%	31%	41%	45%
Pericardial effusion	10%	19%	38%	40%
Ischemic heart disease	-	-	-	10%
Primary pulmonary HT	-	-	-	5%
Mediastinal mass	1%		24.5%	
Others	-	10%	18%	-

15) Comparison of results of Renal manifestations in HIV infected patients among various studies:

TABLE-17

DIAGNOSIS	Steel-Duncan J et al	Fernando et al	Chioma Pedro Emem et al	Our study
HIV associated nephropathy	3%	24%	38%	31.8%
Obstructive uropathy	2%	-	-	18.1%
Others				50%