



Table (8) : Means ($\bar{x}$) $\pm$ Standard deviations (SD) & median of ages among the study groups.

Stud groups \ Age	Median	$\bar{x} \pm SD$	t	p
Control	3	3.1 ± 1.9	$t_1 = 1.66$	> 0.05
Acyanotic	2	2.16 ± 1.1	$t_2 = 0.35$	> 0.05
Cyanotic	2.16	2.87 ± 1.7	$t_3 = 1.36$	> 0.05

t_1 = control vs acyanotic

$P > 0.05$

t_2 = control vs cyanotic

t_3 = acyanotic vs cyanotic

**Table (9) :** Means ($\bar{x}$) $\pm$ SD and median of HT.

HT Stud groups	Median	$\bar{x} \pm SD$	t	p
Control	101	76.4 $\pm$ 11.8	t ₁ = 4.9	< 0.001
Acyanotic	79	77.5 $\pm$ 9.4	t ₂ = 5.14	< 0.001
Cyanotic	76.5	75.7 $\pm$ 10.2	t ₃ = 0.5	< 0.001

P < 0.001



**Table (10) :** Median and $\bar{x} \pm SD$ of WT.

Stud groups \ WT	Median	$\bar{x} \pm SD$	t	p
Control	13.8	13.98 ± 3.8	$t_1 = 2.46$	< 0.05
A cyanotic	9.5	10.98 ± 2.8	$t_2 = 4.14$	< 0.001
Cyanotic	8.5	9.17 ± 2.4	$t_3 = 2.07$	< 0.05

P < 0.05



**Table (11) :** Median and $\bar{x} \pm SD$ of Head circumference

Head circum Stud groups	Median	$\bar{x} \pm SD$	t	p
Control	49.5	48.18 $\pm$ 11.4	$t_1 = 0.55$	> 0.05
A cyanotic	43.2	44.2 $\pm$ 2.4	$t_2 = 0.73$	> 0.05
Cyanotic	43	43.6 $\pm$ 3.1	$t_3 = 0.57$	> 0.05

P > 0.05**Table (12) :** Median and $\bar{x} \pm SD$ of BMI.

BMI Stud groups	Median	$\bar{x} \pm SD$	t	p
Control	16.5	16.4 $\pm$ 1.2	$t_1 = 3.28$	< 0.01
A cyanotic	14.8	14.9 $\pm$ 1.3	$t_2 = 5.91$	< 0.001
Cyanotic	14.4	14.2 $\pm$ 0.8	$t_3 = 1.88$	> 0.05

P < 0.001



**Table (13) :** Median and $\bar{x} \pm SD$ of chest circumference

Chest circum Stud groups	Median	$\bar{x} \pm SD$	T	p
Control	51.5	50.4 $\pm$ 4.5	$t_1 = 1.4$	> 0.05
A cyanotic	49	48.4 $\pm$ 3.2	$t_2 = 2.18$	< 0.05
Cyanotic	47.5	47.5 $\pm$ 2.5	$t_3 = 0.86$	> 0.05

P > 0.05**Table (14) :** Median and $\bar{x} \pm SD$ of mid-arm circumference.

Mid-arm circum Stud groups	Median	$\bar{x} \pm SD$	t	p
Control	13	13.6 $\pm$ 1.3	$t_1 = 2.19$	< 0.05
A cyanotic	12	12.6 $\pm$ 1.2	$t_2 = 5$	< 0.001
Cyanotic	11.5	11.4 $\pm$ 1.1	$t_3 = 2.85$	< 0.001

P < 0.001

**Table (15) :** Median and $\bar{x} \pm SD$ of IGF₁

IGF₁ Stud groups	Median	$\bar{x} \pm SD$	t	p
Control	141.7	143.3 $\pm$ 24.2	t ₁ = 10.9	< 0.001
A cyanotic	58.7	60.1 $\pm$ 16.9	t ₂ = 12.69	< 0.001
Cyanotic	38.5	38.2 $\pm$ 21	t ₃ = 3.14	< 0.01

P < 0.001



**Table (16) :** Median and $\bar{x} \pm SD$ of IGFBP₃

IGFBP₃ Stud groups	Median	$\bar{x} \pm SD$	t	p
Control	2932.8	2929.7 $\pm$ 820.4	t ₁ = 5.02	< 0.001
A cyanotic	1561.2	1636.6 $\pm$ 565.5	t ₂ = 6.72	< 0.001
Cyanotic	1458.3	1147.4 $\pm$ 517.4	t ₃ = 2.26	< 0.05

P < 0.001





Table (17): Correlation coefficient "r" between IGF1 and different variables among control group.

Variable \ IGF₁	"r"	p
Age	0.744	< 0.001
Ht	0.774	< 0.001
Wt	0.673	< 0.001
BMI	0.487	< 0.05
H-circum	0.249	> 0.05
Chest circum	0.180	> 0.05
Mid-arm circum	0.676	< 0.001
IGFBP₃	0.704	< 0.001



Table (18): Correlation coefficient "r" between IGF₁ and different variables among acyanotic group.

Variable \ IGF₁	"r"	p
Age	0.958	< 0.001
Ht	0.904	< 0.001
Wt	0.937	< 0.001
BMI	0.620	< 0.001
H-circum	0.210	> 0.05
Chest circum	0.172	> 0.05
Mid –arm circum	0.239	> 0.05
IGFBP₃	0.923	< 0.001









Table (19): Correlation coefficient "r" between IGF₁ and different variables among cyanotic group.

Variable \ IGF₁	"r"	p
Age	0.982	< 0.001
Ht	0.973	< 0.001
Wt	0.988	< 0.001
BMI	0.802	< 0.001
H-circum	0.249	> 0.05
Chest circum	0.180	> 0.05
Mid –arm circum	0.204	> 0.05
IGFBP₃	0.977	< 0.001









Table (20): Correlation coefficient "r" between IGFBP₃ and different variables among control group.

Variable \ IGF₁	"r"	p
Age	0.617	< 0.001
Ht	0.968	< 0.001
Wt	0.913	< 0.001
BMI	0.453	< 0.05
H-circum	0.240	> 0.05
Chest circum	0.199	> 0.05
Mid –arm circum	0.235	>0.001



Table (21): Correlation coefficient "r" between IGFBP₃ and different variables among acyanotic group.

Variable \ IGF₁	"r"	p
Age	0.963	< 0.001
Ht	0.943	< 0.001
Wt	0.959	< 0.001
BMI	0.620	< 0.001
H-circum	0.234	> 0.05
Chest circum	0.165	> 0.05
Mid –arm circum	0.212	> 0.05





Table (22): Correlation coefficient "r" between IGFBP₃ and different variables among cyanotic group.

Variable \ IGF₁	"r"	p
Age	0.979	< 0.001
Ht	0.99	< 0.001
Wt	0.991	< 0.001
BMI	0.802	< 0.001
H-circum	0.221	> 0.05
Chest circum	0.179	> 0.05
Mid –arm circum	0.241	> 0.05





