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.%76.7 -

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Pulmonary Hypertension In the Newborn

Mutia zaki ALkaram*

Abstract

Recently, it has been noticed that the incidence of pulmonary hypertension in Neonatal Intensive Care Unit of children hospital has increased.

The purpose of this study is to evaluate the outcome of newborns with pulmonary hypertension. This study was conducted on 73 newborns diagnosed by Doppler Echocardiography, admitted to the unit from 1/7/02 to 1/7/03.

High rates of hypoxia and sepsis were noticed during the perinatal period.

Treatment included good oxygenation, dopamine, alkalosis and diuretics.

The results were asThe following: complete recovery in 76.7%, Partial improvement in12.3% and death in 11%.

The last tow results were discussed and due to otheer organic lesions prevented the full recovery or led to death.

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Fractional Shorttening (F.S) % 35 – 25: -
 Ejection Fraction (E. F) % 65 - 35: -
 (6+5). % 65 < : -

_____ : F. S

(6+5) 25-% 35

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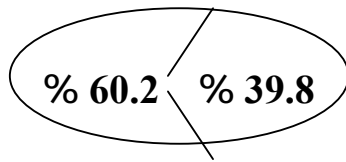
(6+5) % 75 – 65

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6	36	68	
% 8.2	% 49.3	% 93.1	

:
(73) : -1

: % 60.2 (44)
% 39.8 (29)



(8) : -2
: .% 11 ()
: -3

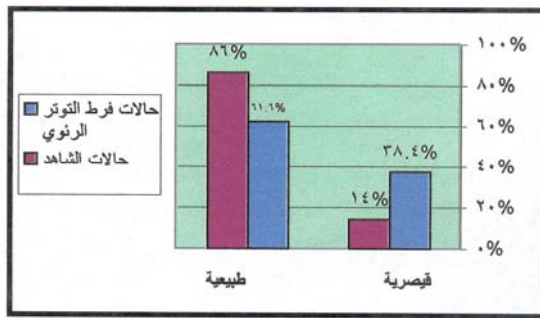
32	37-36		
3	16	54	
% 4.1	% 21.9	% 74	

(100)

% 38.4 % 61.6

.% 14

.% 86



()

.(p=0.00045 ,X²=12.3)



II <

: _____ -

: (VSD)

: (1) -

:

III

(VSD) (12) (13)

V S D

V . S . D	P . F . O	P . D . A	
14	73	59	
% 19.1	% 100	% 80.8	

(% 68.4) (50) V S D

(PDA)

: (2) -

II	II	I	IV	III	II	I	
% 4.1	% 6.8	% 2.7	% 8.2	% 41.1	% 37	% 12.3	
3	5	2	6	30	27	9	
3	7		72				

E . و F . S

%95

. P D A

F

(I)

(10+9+5) 86.3)

(%

(9+1).

) ←
- (IV ← II

PH

:

(8+7):

: _____

(11+6+5) / / 5 -

4)

:(/ 1 -

8	21	44	
% 11	% 28.7	% 60.3	

- -) (4)

.((12)

(9) (% 76.7)

: -3 : _____
 (3) +D I C+ -
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 (13-8-4-3) -
 J.Pediatr 13 +
 1997 .
 + -
 - :)
 . - (: _____
 % 56.1 -1
 % 31.5
 .%27.4 +
 -4
 - .(12+11)
 %80.8 PDA % 100 -2
 % 61.6
 % 76.7 8 -
 -
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		% 11	-5
			8
	-4		
	-5	% 37.5	% 50
	-6	% 87.5	
	:		
-	-		
		
	:		
	- VSD		
	- PDA		-1
	-PFO		
			-2
			- 3

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