

CLINICAL ASPECTS

Table no. 2. Table of association for the Down syndrome's variables and the self closure of the defects

| | | inchis singur | | Total | |
|----------|------------------------|------------------------|--------|--------|--------|
| | | 0 | inchis | | |
| sd. down | 0 | Count | 56 | 45 | 101 |
| | | % within sd. down | 55.4% | 44.6% | 100.0% |
| | | % within inchis singur | 88.9% | 95.7% | 91.8% |
| | | % of Total | 50.9% | 40.9% | 91.8% |
| 1 | Count | 7 | 2 | 9 | |
| | % within sd. down | 77.8% | 22.2% | 100.0% | |
| | % within inchis singur | 11.1% | 4.3% | 8.2% | |
| | % of Total | 6.4% | 1.8% | 8.2% | |
| Total | Count | 63 | 47 | 110 | |
| | % within sd. down | 57.3% | 42.7% | 100.0% | |
| | % within inchis singur | 100.0% | 100.0% | 100.0% | |
| | % of Total | 57.3% | 42.7% | 100.0% | |

Table no. 3. Table of association for the Down syndrome's variables and the surgical closure of the defects

| | | operat | | Total | |
|----------|-------------------|-------------------|--------|--------|--------|
| | | 0 | operat | | |
| sd. down | 0 | Count | 75 | 26 | 101 |
| | | % within sd. down | 74.3% | 25.7% | 100.0% |
| | | % within operat | 92.6% | 89.7% | 91.8% |
| | | % of Total | 68.2% | 23.6% | 91.8% |
| 1 | Count | 6 | 3 | 9 | |
| | % within sd. down | 66.7% | 33.3% | 100.0% | |
| | % within operat | 7.4% | 10.3% | 8.2% | |
| | % of Total | 5.5% | 2.7% | 8.2% | |
| Total | Count | 81 | 29 | 110 | |
| | % within sd. down | 73.6% | 26.4% | 100.0% | |
| | % within operat | 100.0% | 100.0% | 100.0% | |
| | % of Total | 73.6% | 26.4% | 100.0% | |

The tetralogy of Fallot associates, from a historical point of view, an interventricular communication, a pulmonary stenosis, dextroposition with aorta dilatation and right ventricular hypertrophy. In fact the only important ones are the interventricular communication and the pulmonary stenosis, the other two being the consequences of the first. The tetralogy of Fallot is one of the cardiac malformations frequently associated with extracardiac anomalies.

We introduced 6 cases (5,5%) in the lot of study, and none of them presented a self closure of the shunt from the interventricular communication level which confirms the fact that the malformation is complex and the hemodynamics of these malformations does not allow its closure.

Table no. 4. Table of association for the tetralogy of Fallot's variables and the self closure of the defects

| | | inchis singur | | Total | |
|-------|------------------------|------------------------|--------|--------|--------|
| | | 0 | inchis | | |
| t4f | 0 | Count | 57 | 47 | 104 |
| | | % within t4f | 54.8% | 45.2% | 100.0% |
| | | % within inchis singur | 90.5% | 100.0% | 94.5% |
| | | % of Total | 51.8% | 42.7% | 94.5% |
| 1 | Count | 6 | | 6 | |
| | % within t4f | 100.0% | | 100.0% | |
| | % within inchis singur | 9.5% | | 5.5% | |
| | % of Total | 5.5% | | 5.5% | |
| Total | Count | 63 | 47 | 110 | |
| | % within t4f | 57.3% | 42.7% | 100.0% | |
| | % within inchis singur | 100.0% | 100.0% | 100.0% | |
| | % of Total | 57.3% | 42.7% | 100.0% | |

There were 4 cases resolved by surgical means, namely 13,8% of the total number of children subject to surgery from the lot of study, with left-to-right shunt.

As the study shows, there was only one case of death and that belonging to the tetralogy of Fallot's group,

representing 16,7% of the cases with tetralogy of Fallot and 9% of the total number of cases subject to the study.

Table no. 5. Table of association for the tetralogy of Fallot's variables and cases of death

| | | operat | | Total | |
|-------|-----------------|-----------------|--------|--------|--------|
| | | 0 | operat | | |
| t4f | 0 | Count | 79 | 25 | 104 |
| | | % within t4f | 76.0% | 24.0% | 100.0% |
| | | % within operat | 97.5% | 86.2% | 94.5% |
| | | % of Total | 71.8% | 22.7% | 94.5% |
| 1 | Count | 2 | 4 | 6 | |
| | % within t4f | 33.3% | 66.7% | 100.0% | |
| | % within operat | 2.5% | 13.8% | 5.5% | |
| | % of Total | 1.8% | 3.6% | 5.5% | |
| Total | Count | 81 | 29 | 110 | |
| | % within t4f | 73.6% | 26.4% | 100.0% | |
| | % within operat | 100.0% | 100.0% | 100.0% | |
| | % of Total | 73.6% | 26.4% | 100.0% | |

Table no. 6. Table of association for the tetralogy of Fallot's variables and cases of death

| | | decedat | | Total | |
|-------|------------------|------------------|--------|--------|--------|
| | | nu | da | | |
| t4f | 0 | Count | 104 | | 104 |
| | | % within t4f | 100.0% | | 100.0% |
| | | % within decedat | 95.4% | | 94.5% |
| | | % of Total | 94.5% | | 94.5% |
| 1 | Count | 5 | 1 | 6 | |
| | % within t4f | 83.3% | 16.7% | 100.0% | |
| | % within decedat | 4.6% | 100.0% | 5.5% | |
| | % of Total | 4.5% | .9% | 5.5% | |
| Total | Count | 109 | 1 | 110 | |
| | % within t4f | 99.1% | .9% | 100.0% | |
| | % within decedat | 100.0% | 100.0% | 100.0% | |
| | % of Total | 99.1% | .9% | 100.0% | |

Table no. 7 a,b. Table of association between the variables – Down syndrome and tetralogy of Fallot - and the evolution

| | | t4f | | Total |
|---------------------|-------------------|--------|--------|--------|
| | | 0 | 1 | |
| evolutie favorabila | Count | 64 | | 64 |
| | % within evolutie | 100,0% | | 100,0% |
| | % within t4f | 61,5% | | 58,2% |
| | % of Total | 58,2% | | 58,2% |
| nefavorabila | Count | 40 | 6 | 46 |
| | % within evolutie | 87,0% | 13,0% | 100,0% |
| | % within t4f | 38,5% | 100,0% | 41,8% |
| | % of Total | 36,4% | 5,5% | 41,8% |
| Total | Count | 104 | 6 | 110 |
| | % within evolutie | 94,5% | 5,5% | 100,0% |
| | % within t4f | 100,0% | 100,0% | 100,0% |
| | % of Total | 94,5% | 5,5% | 100,0% |

| | | sd. down | | Total |
|---------------------|-------------------|----------|--------|--------|
| | | 0 | 1 | |
| evolutie favorabila | Count | 63 | 1 | 64 |
| | % within evolutie | 98,4% | 1,6% | 100,0% |
| | % within sd. down | 62,4% | 11,1% | 58,2% |
| | % of Total | 57,3% | ,9% | 58,2% |
| nefavorabila | Count | 38 | 8 | 46 |
| | % within evolutie | 82,6% | 17,4% | 100,0% |
| | % within sd. down | 37,6% | 88,9% | 41,8% |
| | % of Total | 34,5% | 7,3% | 41,8% |
| Total | Count | 101 | 9 | 110 |
| | % within evolutie | 91,8% | 8,2% | 100,0% |
| | % within sd. down | 100,0% | 100,0% | 100,0% |
| | % of Total | 91,8% | 8,2% | 100,0% |

In what concerns the Down syndrome cases, the evolution was favorable in 11,1% of cases and not favorable in 88,9% of cases.

In these groups of study the evolution was different because of the more complex malformations with shunt and

associated chromosomal disorder (Down syndrome).

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