

OUR FIRST RESULTS ON INTRA-ABDOMINAL TESTICLES OPERATED WITH THE SHEHATA METHOD.



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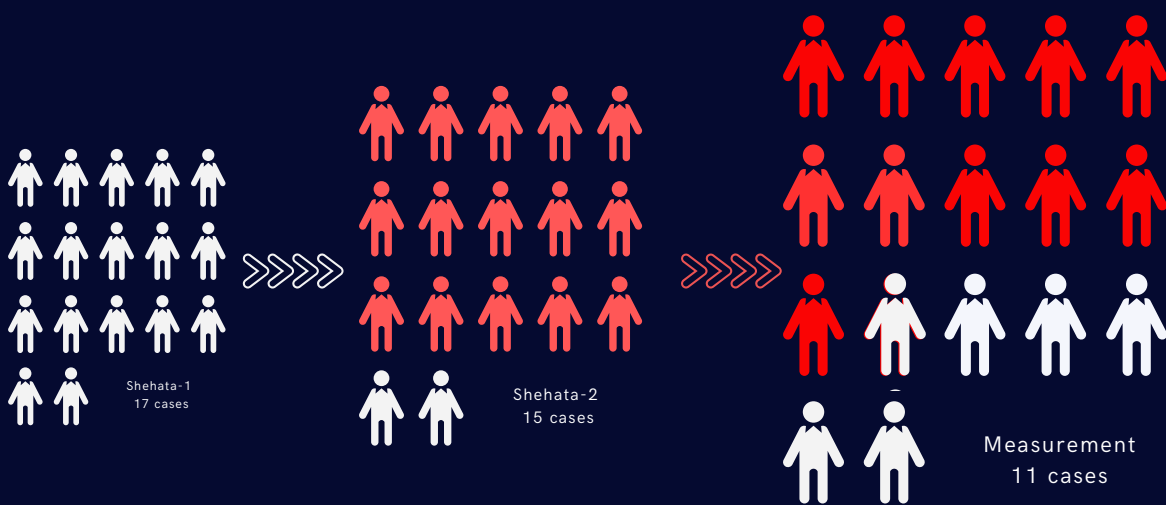


The cord attachment method with suspension on the abdominal wall, popularized by Shehata, has been used more and more frequently in the treatment of intra-abdominal testicles. In our study, we investigated the changes in the amount of cord elongation and postoperative testicular volumes in this method.

Material and method

- The cord length was measured preoperatively with a thread to the farthest corner of the anterior abdominal wall that the testicle could reach.
- The same procedure was applied to the second sensor and the amount of elongation was measured.
- In all patients, testicular volume was measured at the 3rd postoperative month and compared with the contralateral testicular volume.

Results

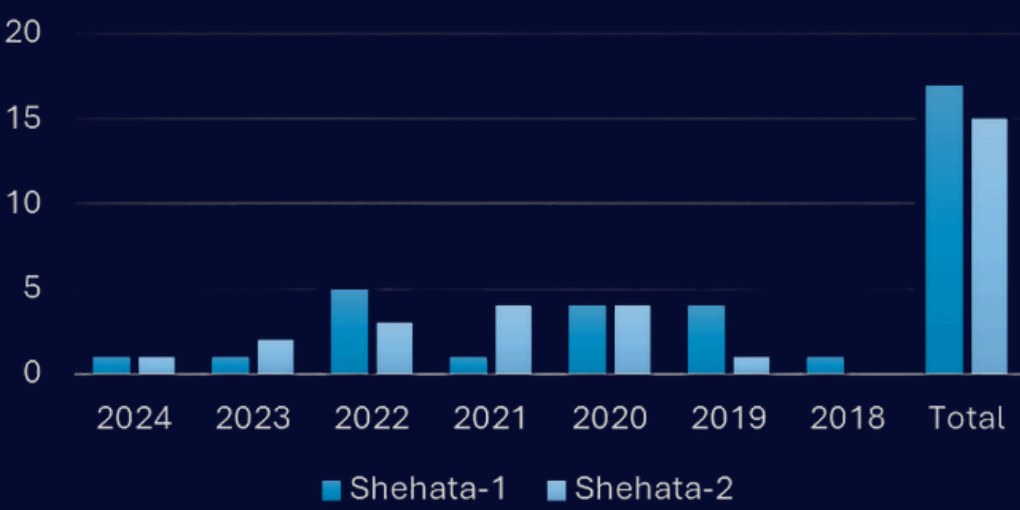


- 1. stage: Cord lengths ranging from 3.5 to 6 cm (mean: 5.47 cm).
- 2. stage: Lengths ranging from 5 to 11 cm (mean: 8.43 cm).
- The amount of extension : From 1.5 cm to a maximum 5 cm (mean: 2.89 cm).
- Proportional extension: From 32% to a maximum of 83% (mean: 51%)

	Years	Date of 1st operation	Date of 2nd operation	Waiting period	1st measurement of cord length (cm)	2nd measurement of cord length (cm)	Extension amount (cm)	Extension amount (%)
1	1,5	11.09.2019	7.02.2020	5	5,4	8	2,6	48%
2	5	22.10.2019	8.07.2020	9	5,7	9	3,3	58%
3	2	3.06.2020	5.07.2021	13	5,7	7,5	1,8	32%
4	1,5	22.07.2020	3.02.2021	7	6	11	5	83%
5	1	24.09.2020	14.04.2021	7	3,50	5	1,5	42%
6	10	10.08.2021	23.02.2022	6	7	11	4	57%
7	1	31.05.2023	12.06.2024	12	4	6,5	2,5	63%
8	8	15.11.2022	24.04.2023	5	5,5	9,5	4	72%
9	3	5.01.2022	6.10.2022	9	5	7,5	2	36%
10	2	19.08.2022	14.02.2023	6	4	7	3	75%
11	2	27.03.2023	8.02.2024	11	5	8	3	60%

- Ages during the first session: Between 6 - 120 months (mean: 27.5 months).
- Ages during the second session: Between 15 - 132 months (mean: 35.8 months).
- The waiting period range: Between 5 months - 13 months (mean: 8.3 months).

Distribution of the cases



Postoperative ultrasonography:

10 cases.
No volume difference in 9 cases.
Smaller testis in one case. (consistent with preoperative findings.)

Testicular suspension material:

Monofilament polypropylene

3 cases

The testis descended back into the abdomen 2 cases

Multifilament polyester

14 cases

One case was managed with the Fowler-Stephens technique, resulting in atrophy.

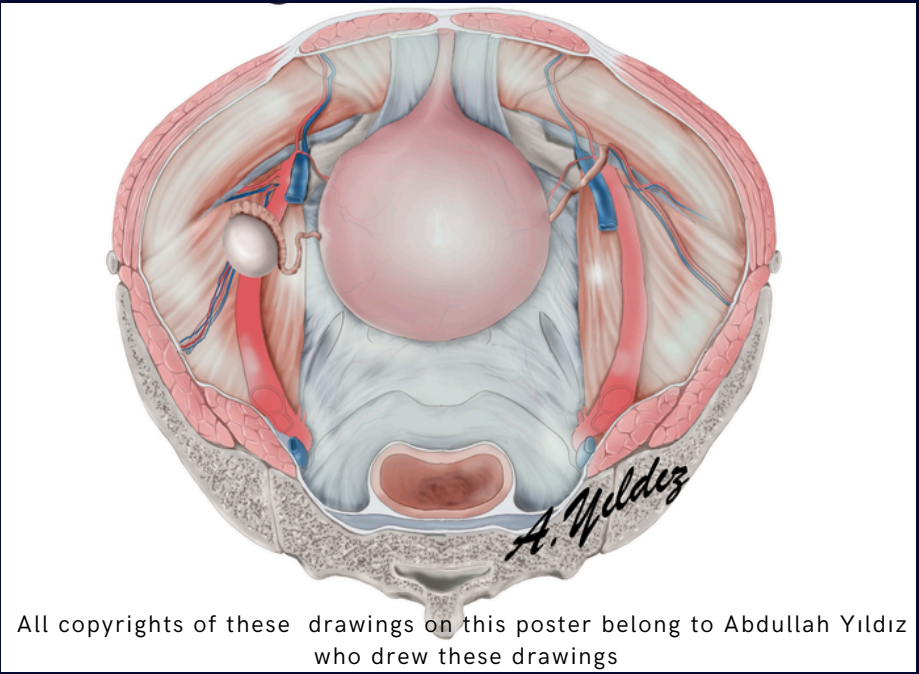
In one case, atrophy developed due to the descent of the testis despite insufficient cord lengthening.

No cases of ileus or internal herniation were observed.

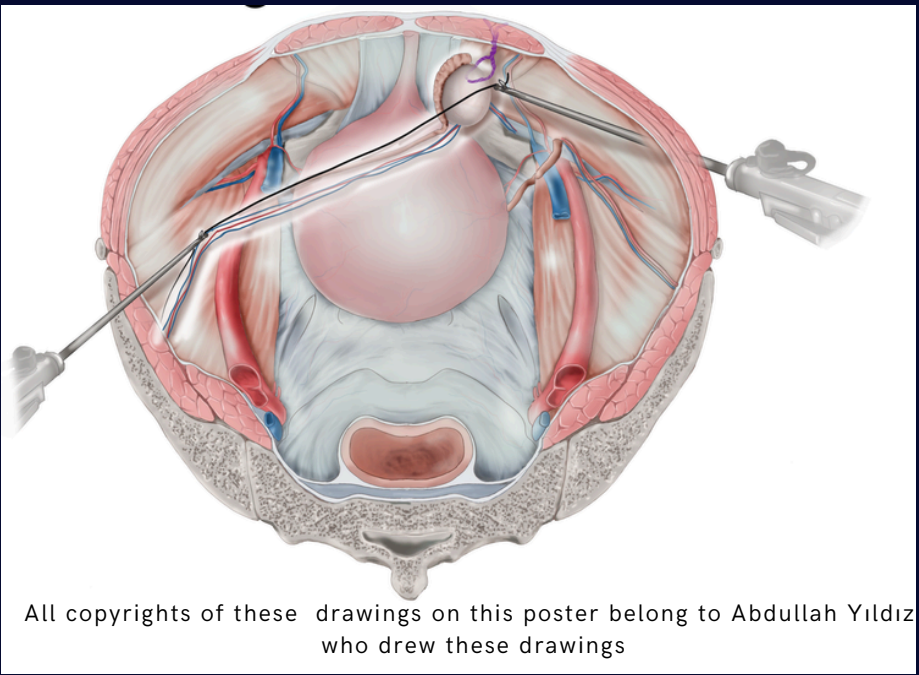
Conclusion

Management of testes without compromising vascular integrity, the absence of atrophy in testes with sufficient cord elongation, and the use of the Shehata technique for intra-abdominal testes suggest that this method can be applied safely.

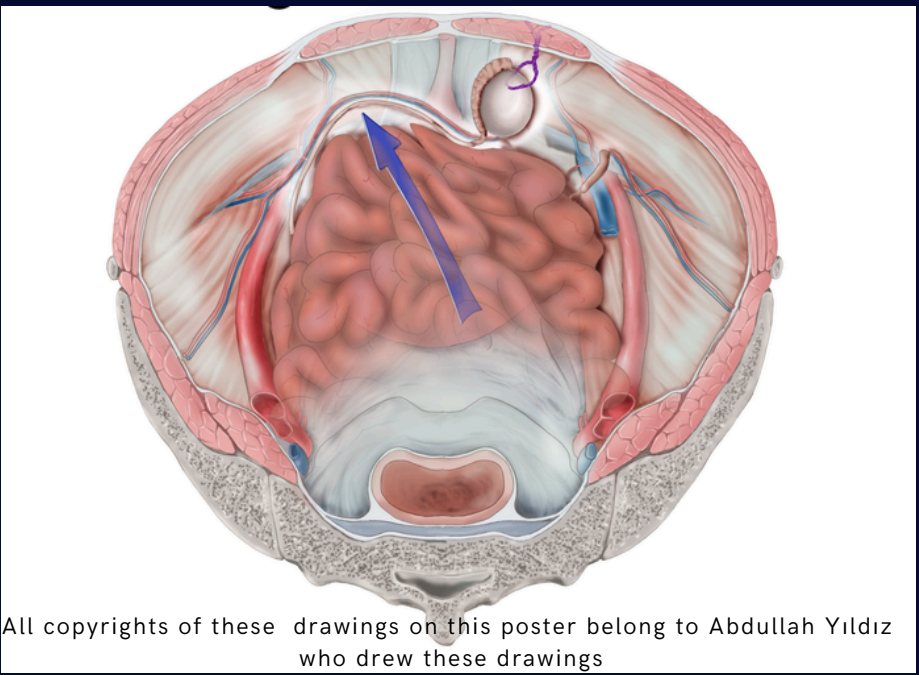
There is no conflict of interest.



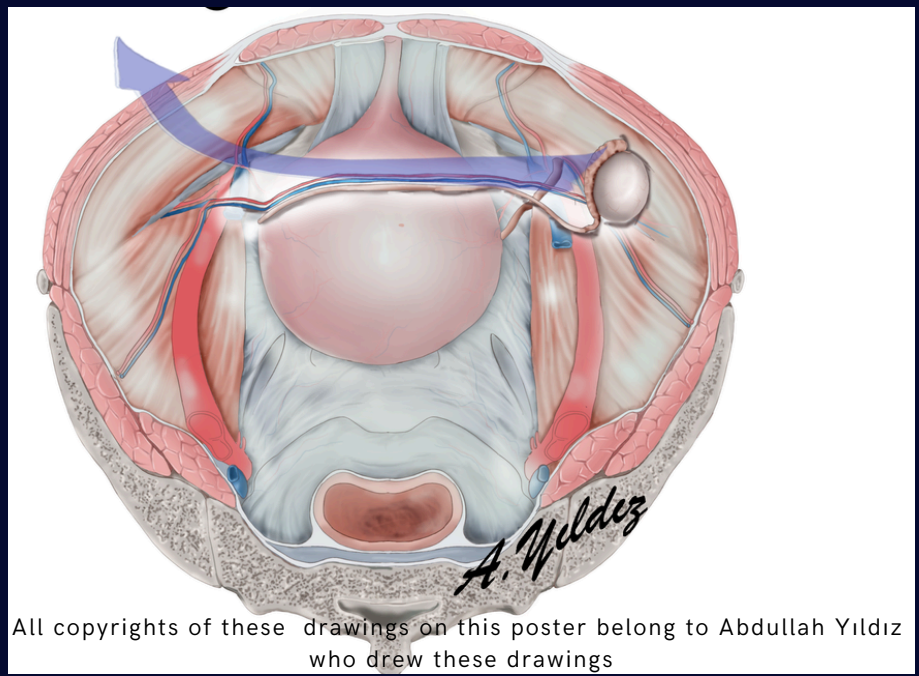
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