

THE EFFECT OF MICRO TESE RESULTS AND PREOPERATIVE ANXIETY STATUS OF NON-OBSRUCTIVE AZOOSPERMIC CASES ON POSTOPERATIVE PAIN SCORE.

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Aim;

- evaluate depression and anxiety in infertile men who underwent m-TESE procedure due to NOA
- the relationship of m-TESE results with postoperative pain and preoperative stress status of patients

Material&Methods;

- n=102 NOA cases (June 2018-September 2019)
- Physical examination
- Hormonal tests (FSH, LH, Total testosterone, E2, prolactin, Inhibin B)
- Genetic tests (Peripheral karyotype and Y microdeletion)
- Questionnaires:
 - Beck Depression Inventory (BDI)
 - Situational and Transient Anxiety Inventory questionnaires (STAI and TAI)
 - Visual Analog Scales (VAS)

Results;

	m-TESE Negative (n=45)	m-TESE Positive (n=57)	P
Age (Year)	34.80±6.1	35.7±7.3	0.490
Number of previous micro-TESE	1.4±0.7	1.4±0.8	0.910
Operation time (min)	65.1±14.2	40.8±18.2	<0.001*
Number of collected tubules	38.6±14.8	23.4±14.0	<0.001*
BDI scores	5.1±4.8	5.9±6.0	0.867
STAI scores	40.6±6.2	41.8±7.4	0.386
TAI scores	44.6±6.2	45.9±7.6	0.395
VAS values	4.5±1.8	2.8±1.8	<0.001*

	Negative Previous m-TESE (n=22)	Positive Previous m-TESE (n=25)	P
Age (Year)	37.5±6.0	38.2±7.4	0.773
Number of previous micro-TESE	1.4±0.7	1.4±0.7	0.886
Operation time (min)	64.3±14.4	47.5±21.8	0.008*
Number of collected tubules	37.0±15.4	27.2±15.8	0.058
BDI scores	5.8±4.7	5.9±5.4	0.923
STAI scores	40.4±7.5	39.6±7.6	0.701
TAI scores	43.8±8.1	45.8±8.5	0.481
VAS values	4.0±1.6	2.5±1.4	0.002*

Conclusion;

- Having infertility and azoospermia in males affect the psychogenic status and anxiety levels
- They had higher anxiety status, and affected their well-being and mood during treatment period
- Previous micro-TESE procedure and its outcomes boosts the stress and anxiety levels of the infertile men that may result in diminished postoperative pain threshold.