



SEXUAL DYSFUNCTION AND ITS RELEVANCY TO INFERTILITY

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WHICH ONE

(A) SEXUAL DYSFUNCTION → INFERTIL ?

(B) INFERTIL → SEXUAL DYSFUNCTION ?


(C) SEXUAL DYSFUNCTION ↔ INFERTIL ?

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- **(1) How is sexual self concept impacted in infertile individuals and their partners?**
 - **(2) Does infertility have a negative impact on the sexual relationship between infertile individuals and their partners?**
 - **(3) Is sexual function affected by infertility?**



The impact of infertility on sexuality : a literature review


Tao Peng et al. (2011) 4(11): 620 -627

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- ▶ SEXUALITY IS **NOT JUST THE STATE OF BEING PHYSICALLY ABLE TO PERFORM A SEX OR TO CONCEIVE A CHILD**, BUT AS AN INTEGRAL COMPONENT OF HUMAN LIFE WITH **MULTIDIMENSIONAL CONTENT**
 - ▶ SEXUAL RELATIONSHIPS AS **THE INTERPERSONAL RELATIONSHIP** IN WHICH ONE'S SEXUALITY IS SHARE WITH ANOTHER
 - ▶ SEXUAL FUNCTION IS ABOUT THE ABILITY OF AN INDIVIDUAL **TO GIVE AND RECEIVE** SEXUAL PLEASURE, INCLUDING VARIOUS PHYSICAL AND PSYCHOLOGICAL PROGRESSES IN THE SEXUAL RESPONSE CYCLE.



The impact of infertility on sexuality : a literature review

Tao Peng et al. (2011) 4(11): 620 -627

- ▶ SEXUALITY CAN BE GREATLY AFFECTED BY INFERTILITY **AND ITS TREATMENT**, WITH INFERTILE SUBJECTS EXPERIENCING DIFFICULTIES IN DIFFERENT ASPECTS OF SEXUALITY.
 - ▶ IT IS NECESSARY FOR FURTHER RESEARCH TO EXAMINE THE RECIPROCAL RELATIONS AND SEXUAL FUNCTION IN CONTEXT OF INFERTILITY. **MOREOVER, THE SEXUALITY OF INFERTILE SUBJECTS MIGHT BE INFLUENCED BY THEIR PARTNER'S REACTION TO THE DIAGNOSIS.**
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Psychology aspects of Infertility

Deka (2010) British J. Medical Practitioner. (3): 3 : a 336

- ▶ Among infertile couples, **women** show higher levels of distress than their male partners.
- ▶ **Distress** is associated with **lower pregnancy rates** among women pursuing infertility treatment.
- ▶ **The three factors :**
 - “Having children is a major focus of life”
 - “The Female role and Social Pressure”
 - “Effect on Sexual life”

Effect of Infertility on Sexual Function: A Cross-Sectional Study

J of Clinical and Diagnosis Research, 2015 May, 9(5): 0001-0003

- ▶ All dimensions of **sexual function** were lower in infertile women in compared with fertile women (n = 364)

Characteristic	Group		P-value
	Fertil	Infertil	
Desire	4.43 ± 0.81	3.32 ± 0.79	< 0.001
Arousal	4.16 ± 0.95	2.85 ± 1.09	< 0.001
Lubrication	3.52 ± 0.93	2.59 ± 0.95	< 0.001
Orgasm	4.05 ± 0.8	2.98 ± 1.08	< 0.001
Satisfaction	4.82 ± 0.8	2.98 ± 1.08	< 0.001
Pain	2.92 ± 1.46	2.54 ± 1.16	< 0.001

Depression, Sexual dysfunction and Sexual quality of life in women with infertility

Shahraki et al. BMC Women's Health, (2018) 18: 92

- **Depression** as a crucial factor should be focused more in infertile women (n = 264)

	Healthy subjects	Primary infertility	Secondary infertility	p value
BDI (Beck depression inventory)	13 ± 9.1	16.3 ± 8.7	16 ± 10.4	0.02
FSFI (Female sexual function index)	25.7 ± 7.2	24.7 ± 5.1	25.2 ± 5.3	0.05
SQOL-F (Female sexual quality index-female)	84.8 ± 18.9	83.4 ± 17	80.1 ± 17.6	0.2




The relationship between stress and infertility

Dialogues Clin Neurosci. (2018) 20: 41-46

- ▶ Women with infertility report elevated levels of ANXIETY and DEPRESSION, so it is clear that **INFERTILITY CAUSES STRESS**.
- ▶ 135 IVF patients, CORTISOL was measured through samplings of hair, which measures levels were significantly correlated to pregnancy rate ($p=0.017$)
- ▶ **The 2-week** waiting period between embryo transfer and the pregnancy test has been recognized as a very stressful time during IVF treatment

PSYCHOLOGICAL INTERVENTIONS FOR WOMEN WITH INFERTILITY HAVE THE POTENTIAL TO DECREASE ANXIETY AND DEPRESSION AND MAY WELL LEAD TO SIGNIFICANTLY HIGHER PREGNANCY RATE



The effect of psychological interventions on anxiety and depression in infertile women and men in assisted reproductive treatment : a systematic review

Masoumi et al. J.of Psychology and Clinical Psychiatry (2018) 9:(5): 494-9


- ▶ CBT (cognitive behavioral therapy) : reducing anxiety and depression
- ▶ Mind body method : reduced depression, no significant decrease in anxiety
- ▶ Counseling (psychological support), Psychosocial therapy, Group positive therapy, Supporting stress management methods: **have not any effects** on reducing anxiety and depression.

Note:

CBT = **A**ntecedents → **B**eliefs → **C**onsequences



RECOMMENDATION

- **More attention on mental-emotional, social and cultural aspects to support patients with infertility and or sexual dysfunction**
 - **Collaboration with other disciplines (i.e psychology) need to help the patients**
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Thank You!





**IKATAN ALUMNI ANDROLOGI
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IN COLLABORATION WITH
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For Participation as

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