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Prevalence of Sexual Dysfunctions: A Systemic Approach

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1. Introduction

This chapter is intended to provide an evidence-based overview of the worldwide epidemiology of sexual dysfunction since the 1990s in general populations of different countries, allowing for the generalization of findings at the given population level. The descriptive and analytic literature on sexual function was identified through searching conventional databases, literature surveys and references. This chapter is organized as follows: we first review epidemiological concepts focusing on the issue of determining prevalence; then, we review the female and male sexual dysfunctions prevalence.

Since only recently sexual function and sexual problems have been openly discussed in most societies and cultures (Tiefer, 2001), few epidemiologic data exist until the middle of the twentieth century. The large population-based study of normative data on female sexuality was published by Kinsey and coworkers in 1953. Recent studies, however, have presented a more accurate picture of sexual dysfunction prevalence.

2. The epidemiology of sexual dysfunction

Epidemiology is a scientific study of the distribution and determinants of diseases in populations. Epidemiological data are the basis for assessing the overall impact of a condition on a given society (Prins et al., 2002). These data are needed for public health systems in order to recognize the impact of the studied condition in the population and organize screening, diagnostic and treatment strategies. One of the basic epidemiological measures of outcome occurrence is *prevalence* which is defined as the proportion of a population exhibiting a health condition during a specific time interval (Simons et al. 2001). Moreover, prevalence is characterized by the proportion of a given population which has the condition at a given time. While prevalence can refer to any time period, researchers typically distinguish among point, period and lifetime prevalence. An important conceptual issue is to define sexual dysfunction which is used when it is clinically diagnosed. Another

issue is to select the study sample. Community-based samples are the most appropriate ones which define the potential number of patients sustaining the disorder/condition who might benefit from treatment. The study sample must be a representative of the studied population in terms of social, cultural and health status. And, the last one is to select the tools used for screening.

In this chapter, the criterion was the prevalence estimate for general populations, which included a representative sample of community with overall methodological quality. The internal validity of the study was assessed by data collection procedures, measurement instruments, defining health conditions and informative content of reported prevalence. External validity was assessed by the generalizability of the study and source of population, sampling, eligibility of criteria and response rate (Tsai et al, 2011).

The second important issue is that sexual dysfunction may be best conceptualized as the global inhibition of sexual response due to interpersonal factors (Hartmann et al, 2002) because many cases of sexual dysfunction can be regarded as the adaption to sexual relationship problems. In other words, sexual dysfunction must be seen in a multi-faceted socio-psycho-biologic context. Therefore, there are different scales for defining and classifying sexual dysfunction including the American Psychiatric Association's Diagnosis and Statistical Manual for Mental Disorder, 4th text revision (DSM-III or IV-TR), the World Health Organization's International Classification of Diagnosis (ICD-10), Profile of Female Sexual Function(PFSF), Female Sexual Function Index (FSFI), Golombok Rust Inventory of Sexual Satisfaction (GRISS), International Index of Erectile Function (IIEF), Sexual Function Questionnaire (SFQ) and other researcher-made validated questionnaires. Clearly, the type of applied definition affects the prevalence estimate of sexual problems. Although the database in both groups is rapidly growing, in this chapter, we tried to include all the recent studies of the field.

We focused on epidemiologic studies on sexual problems, sexual disorders or sexual distress which have estimated prevalence of one or more sexual problems for general populations in the world. Thus, we excluded studies with a small sample size and studies in special populations like specific health conditions.

In this review, we searched MEDLINE, SCIENCEDIRECT, PUBMED, GOOGLE SCHOLAR, JSTORE and JSTORE PROQUEST using the following key words: epidemiology, prevalence plus sexual dysfunction, sexual function disturbance, sexual disorder, dyspareunia, vaginismus, anorgasmia, lack of lubrication, sexual arousal, sexual desire, hypoactive sexual desire disorder, sexual aversion disorder, orgasmic disorder, erectile dysfunction, early ejaculation and premature ejaculation.

3. Prevalence of female sexual dysfunction

Despite increasing scientist interest in female sexual difficulty and dysfunction, the true prevalence of female sexual dysfunctions (FSD) in the general population remains a contentious issue. One reason is the great deal of variation in the published prevalence estimates of female sexual difficulties/ dysfunctions. This variation may be due, in part, to real differences among populations, and the way FSD is measured (Lindau et al., 2007). Lack of standardization of outcome measures is an important issue in the FSD literature which has been raised by previous authors. Also, different time frames have influenced the prevalence rate. If the period of study increases, prevalence increases, too (Mercer et al., 2003).

The prevalence of female sexual dysfunctions, as reported in reasonably valid descriptive investigations, are showed in Tables 1-4. There are currently four international data sets with some information about women's sexual problem; five studies in Africa, eleven studies in Asia, eleven studies in Europe and eleven studies in America.

3.1 Sexual interest/desire dysorders

Table 1 show that the low level of sexual desire prevails in 11.2%-66.4% of subjects in different age strata. This indicates that sexual arousal dysfunction with this large variation is a worldwide problem at different ages. In several countries, there is a clear decline in sexual interest at advanced ages.

3.2 Arousal/lubrication dysorders

There are genital and psychological aspects for arousal disorders. But, they are not explicitly separated. Insufficient lubrication generally appears in almost 49% of women. Also, it seems that this problem is more common in two ends of reproductive ages.

3.3 Orgasm dysorders

The prevalence of orgasmic dysfunction varies considerably within and between different geographic areas and some researchers believe that this problem may or may not be age-dependent. The highest report belongs to India in which more than 86% of women report this problem. Also, this problem is very common among African women.

3.4 Dyspareunia

The manifest of genital pain during intercourse has been also reported by a large number of women all over the world. Overall, high prevalence of about 64% has been found in Asia and Africa.

Vaginismus is another painful condition during intercourse with high prevalence in Asia. But, it appears that there is clear lack of investigation of this problem in the world.

4. Prevalence of male sexual dysfunction

Male sexual dysfunction includes erectile dysfunction (ED), ejaculation disorders, orgasmic dysfunctions and disorders of sexual interest/desire. Epidemiologic studies have supported the high prevalence of male sexual dysfunction worldwide; however, the data are limited. Many of the epidemiologic studies are old and related to poor methodology. In this chapter, we reviewed 29 multiethnic studies about these problems. Tables 1-4 show validated studies on the prevalence of male sexual dysfunction.

4.1 Erectile dysfunction (ED)

Erectile dysfunction (ED) is defined as the consistent or recurrent inability of a man to attain and/or maintain penile erection sufficiently for a sexual activity. A 3-month minimum duration is accepted for the establishment of the diagnosis. Several studies have provided data on the prevalence of ED. The prevalence of ED on a worldwide basis has a great deal of variation around 9%-69%. And, there is a clear increase of this disorder at older ages. In all studies, ED has a rather high rate from 20% to 40% for the ages 60 to 69 years old, some increasing after the age of 65 years old.

4.2 Ejaculation disorders

Ejaculation disorders include early ejaculation, delayed ejaculation and anejaculation. The term early ejaculation is used to replace premature ejaculation, a term considered relatively inaccurate and pejorative. Early ejaculation is the ejaculation that occurs sooner than desired, either before or shortly after penetration, over which the sufferer has minimal or no control. Like all or most other dysfunctions, this is primarily a self-reported diagnosis. Delayed ejaculation is the undue delay in reaching a climax during sexual activity. Anejaculation is the absence of ejaculation during orgasm (Althof et al, 2006).

The major problem in assessing the prevalence of early ejaculation is lack of an accurate (validated) definition. It can be defined by time of ejaculation, in the context of the sufferer's or partner's satisfaction, the number of penile thrusts after intromission or even in the context of the amount of sexual stimulation. Similarly, there is lack of definition for the delayed ejaculation. The highest prevalence rate of 31% (men aged 18-59 years old) was given by the NHSLS study in the United States (Laumann et al., 1999). In the sub-groups aged 18 to 29, 30 to 39, 40 to 49 and 50 to 59 years old, the prevalence was 30%, 32%, 28% and 55%, respectively. These high prevalence rates may be a result of the dichotomous scale (yes/no) in a single question asking whether the ejaculation occurred too early or not.

4.3 Orgasmic dysfunction

Orgasmic dysfunction is the inability in achieving orgasm, markedly diminished intensity of orgasmic sensations or marked delay of orgasm during conscious sexual activity. There is a self-report of high sexual arousal/excitement in this disorder. Prevalence data on orgasmic dysfunction are scarce and report 5%-33% of all men in the world. One simple reason explaining the difficulty of assessing the prevalence of orgasmic dysfunction is that some men may be unable to distinguish between ejaculation and orgasm.

4.4 Sexual interest/desire dysfunctions

Sexual interest/desire dysfunctions are diminished or no feelings of sexual interest or desire, no sexual thoughts or fantasies and lack of responsive desire. This problem has been neglected in epidemiologic studies to some extent; but it is quite commonly seen in clinical practices. The prevalence rate of sexual interest disorders is 11%-28% around the world. The highest prevalence rate of sexual interest disorders was reported in a study conducted in Asia in men aged 40 to 80 years old. It seems that there is not any pronounced age effect on this problem. However, more research would shed more light on this issue.

	Problem or question	Sample	Scale	Cohort	Prevalence
		size		age	(%)
				(year)	
Female					
Amidu et al, 2011		301	GRISS	18-58	
	Overall sexual problems				72.8
	Anorgasmia				72.4
	Sexual infrequency				71.4
	Dissatisfaction				77.7
	Vaginismus				68.1
	Avoidance of sexual intercourse				62.5

Laumann et al, 2005		967	Ad hoc	40-80	
Eddinarii et ai, 2000	Lack of sexual interest	707	questionnaire	10 00	43.4
	Inability to reach orgasm		questionnuire		23
	Orgasm too quickly				10
	Pain during sex				21
	Lubrication difficulties				23
Elnashar et al, 2007	Zuriteuron uniteuries	936	Ad hoc	16-49	
	Dyspareunia		questionnaire		31.5
	Decreased sexual desire		questiermane		49.6
	Difficult arousal	()			36
	Anorgasmia		/ ())(16.9
Kadri et al, 2002		728	DSM-IV	20-80	
, , , , , ,	Overall sexual dysfunction				26.6
	Hypoactive sexual desire				18.3
	disorder				15
	Sexual aversion disorder				12
	Orgasmic disorder				8.3
	Sexual arousal disorder				7.5
	Dyspareunia				6.2
	Vaginismus				0.2
Hassanin et al, 2010		601	Ad hoc	18-60	
	Overall sexual dysfunction		questionnaire		76.9
	Low sexual desire		_		66.4
	Dyspareunia				64
	Sexual dissatisfaction				54
	Lack of lubrication				53
	Low sexual arousal				57
	Orgasmic disorder				61
Male		•			•
Seyam et al, 2003		805	Ad hoc		
	Erectile dysfunction		questionnaire	20+	10.3
				50-59	26
				60-69	49
				70-79	52
Amidu et al, 2011		255	GRISS	19+	
	Overall sexual dysfunction				66
	Premature ejaculation				64.7
	Impotency				59.6
	No sensuality		// ())(59.2
	Avoidance			$\sqrt{2}$	49

GRISS: Golombok Rust Inventory of Sexual Satisfaction

DSM-IV: Diagnosis and Statistical Manual for Mental Disorder, $4^{\rm th}$

Table 1. Characteristics of African studies of sexual dysfunction

	Problem or question	Sample size	Scale	Cohort age (year)	Prevalence (%)				
	Female								
Shifren et al,		31581	CSFQ-14	18+					
2008	Low desire				37.7				

	Low arousal				25.3
	Low orgasm				21.1
	Any (desire, arousal or orgasm)				43.1
Lindau et al,	This (desire) drousur or organity	1550	Ad hoc	57-85	10.1
2007	Low desire	1550	questionnaire	37-03	43
	Difficulty with vaginal lubrication		questionnaire		39
	Inability to climax				34
Laumann et al,		1845	Ad hoc	40-80	_
2005	Lack of sexual interest		questionnaire		32.9
	Inability to reach orgasm		1		25.2
	Orgasm too quickly		$\cup / \cup $		10.5
	Pain during sex				14
	Pain during sex				27.1
Bancroft et al,		987	DSM-IV	20-65	
2002	Lubrication problems				31
	Pain disorders				3
	No orgasm				9
Addis et al, 2006		2109	Ad hoc	40-69	
	Overall sexual dysfunction		questionnaire		24
Laumann et al,		1550	Ad hoc		
2008	Lacked interest in sex		questionnaire	57-64	45.4
				65-74	37.6
				75-85	49.3
	Unable to achieve orgasm			57-64	35
				65-74	33.4
				75-85	38.2
	Experienced pain during sex			57-64	18.2
				65-74	18.9
A1 1 4 1 2004		1010	A 11	75-85	11.8
Abdo et al, 2004	Lack of sexual desire	1219	Ad hoc	18+	26.7
			questionnaire		23.1
	Pain during sexual intercourse Orgasmic dysfunction				21
Laumann et al.	Orgasinic dysturction	1749	DSM-IV		
_1999	Overall sexual dysfunction	1749	D31VI-1 V	18-59	43
1777	Lacked Interest in Sex			18-29	32
	Lacked Interest III Sex			30-39	32
				40-49	30
			$\cup \cup \cup \cup$	50-59	27
	Unable to Achieve Orgasm			18-29	26
	ormore to refueve organii			30-39	28
				40-49	22
				50-59	23
	Experienced Pain During Sex			18-29	21
	1			30-39	15
				40-49	13
				50-59	8
	Difficulty in Lubricating			18-29	19
				30-39	18
				40-49	21
				50-59	27

West et al, 2008	I C ID :	2207	PFSF	30-70	26.2
	Low Sexual Desire Hypoactive Sexual Desire Disorder				36.2 8.3
Junior et al, 2005	Lubrication difficulties Lack of sexual interest	728	Ad hoc questionnaire	40-80	23.4 22.7
Male					
Lindau et al, 2007	Erectile difficulties	1455	Ad hoc questionnaire	57-85	37
Laumann et al, 2005	Lack of sexual interest Inability to reach orgasm Early ejaculation Pain during sex Erectile difficulties	2205	Ad hoc questionnaire	40-80	17.6 14.5 27.4 3.6 20.6
Laumann et al, 2008	Lacked interest in sex	1550	Ad hoc questionnaire	57-64 65-74 75-85	27.8 28.7 24.4
	Unable to achieve orgasm			57-64 65-74 75-85	16.1 22.9 33
	Experienced pain during sex			57-64 65-74 75-85	3 3.2 1
Derby et al, 2000	Erectile dysfunction	505	IIEF BMSFI	50-70	18 8
Ansong et al, 2000	Erectile dysfunction	5198	Ad hoc questionnaire	50-76 50-54 55-59 60-64 65-69 70-76	46.3 26 34.9 46.9 57.8 69.4
Moreira et al,		1286	Ad hoc		
2001	Erectile dysfunction		questionnaire Ad hoc	18+	46.2
Saigal et al, 2006	Erectile dysfunction	3566	questionnaire	20+ 20-29 30-39 40-49 50-59 60-69 70-74 ≥75	12.3 4.7 3.4 7 19.9 27 38 30
Johannes et al, 2000	Erectile dysfunction	1156	Ad hoc questionnaire	40-69 40-49 50-59 60-69	25.9 12.4 29.8 46.4

Laumann et al,		1410	DSM-IV		
1999	Overall sexual dysfunction			18-59	31
	Lacked interest in sex			18-29	14
				30-39	13
				40-49	15
				50-59	17
	Unable to achieve orgasm			18-29	7
				30-39	7
				40-49	9
				50-59	9
	Climax too early		$\sim \sim $	18-29	30
				30-39	32
				40-49	28
				50-59	31
	Trouble maintaining or			18-29	7
	Achieving an erection			30-39	9
	_			40-49	11
				50-59	18

CSFQ-14: Changes in Sexual Functioning Questionnaire short-form

DSM-IV: Diagnosis and Statistical Manual for Mental Disorder, 4^{th}

PFSF: Profile of Female Sexual Function IIEF: International Index of Erectile Function BMSFI: Brief Male Sexual Function Inventory

Table 2. Characteristics of American studies of sexual dysfunction

	Problem or question	Sample	Scale	Cohort	Prevalence
	_	size		age	(%)
				(year)	
Female					
Chen et al, 2003		112	Ad hoc	40-55	
	Dyspareunia		questionnaire		44
Lau et al, 2005		3257	DSM-IV	18-59	
	Pain disorder				11.4
	Lubrication problems				23.7
	No orgasm				13.1
	No pleasure				16.2
Laumann et al,		2106	Ad hoc	40-80	
2005	Lack of sexual interest		questionnaire		39
	Inability to reach orgasm				36.7
	Orgasm too quickly				21.9
	Pain during sex				30.4
	Lubrication difficulties				36
Safarinejad 2006		2626	FSFI	20-60	
	Overall female sexual dysfunction				31.5
	Orgasmic disorder				
	Orgasmic disorder				37
	Arousal disorders				35
	Pain disorders				30
					26.7

Najafabady et al,		1200	FSFI	20-40	
2011	Anorgasmia				26.3
Hisasue et al, 2005	0	5042	Ad hoc		
,	Orgasmic disorder		questionnaire	17-40	15.2
	Sexual desire disorder		1	17-40	32.2
	Arousal disorder			17-40	27.7
	Lubrication disorder			17-40	57.9
	Orgasmic disorder			40-70	29.7
	Sexual desire disorder			40-70	57.9
	Arousal disorder			40-70	12.5
			/ / ())(40-70	51.2
C: 1 1 2000	Lubrication disorder	110	FOEL	10.	
Singh et al, 2009		149	FSFI	18+	77.0
	Difficulties with desire				77.2
	Arousal disorder				91.3
	Lubrication problem				96.6
	Orgasmic disorder				86.6
	Pain disorder				64.4
Moreira et al, 2001		426	Ad hoc	40-80	
	Lack of sexual pleasure		questionnaire		37
	Inability to reach orgasm		•		31
	Lubrication difficulties				29.4
	Pain during sex				28.1
	Lack of sexual interest				26.9
Sidi et al, 2007	Edek of Sexual litterest	230	FSFI	18-70	
31a1 et a1, 2007	Lask of organie	230	1311	10-70	59.1
	Lack of orgasms Low sexual arousal				60.9
					50.4
	Lack of lubrication				52.2
	Sexual dissatisfaction				67.8
	Sexual pain				07.0
Sobhgol et al, 2007		319	Ad hoc	15-49	
	Dyspareunia		questionnaire		54.5
Goshtasebi et al,		1456	Ad hoc	15+	
2009	Overall sexual dysfunction		questionnaire		52
	Desire difficulty				19.3
	Arousal difficulty				18.6
	Lubrication difficulty				11.9
	Orgasmic difficulty				21.3
	Pain difficulty				18.2
	Satisfaction difficulty				19.4
Male	Satisfaction affically		$\mathcal{H} \cup \mathcal{H}$		
Lau et al, 2005		1516	DSM-IV	18-59	
Lau et al, 2000	Pain disorder	1310	1731VI-1 V	10-09	3.4
					9.6
	Erectile problems				29.7
	Premature orgasm				7.2
	No orgasm			10.00	
Laumann et al,	Lack of sexual interest	2701	Ad hoc	40-80	23.8
2005	Inability to reach orgasm		questionnaire		19.1
	Early ejaculation				29.8
	Pain during sex				8.9
	Erectile difficulties				27.6
Nicolosi et al 2003		600	Ad hoc	40-70	
	Erectile dysfunction		questionnaire		34
Nicolosi et al 2003	Erectile dysfunction	600	Ad hoc questionnaire	40-70	34

Junior et al, 2005		471	Ad hoc	40-80	
	Early ejaculation		questionnaire		30.3
	Inability to reach orgasm				14
	Erectile difficulties				13.1
	Lack of sexual interest				11.2
Moreira et al, 2001		546	Ad hoc	40-80	
	Early ejaculation		questionnaire		32.7
	Erectile difficulties		_		31.9
	Lack of sexual interest				28.3
	Inability to reach orgasm				19.3
	Sex not pleasurable				18.1
Kongkanand et al,		1259	Ad hoc	40-70	
2000	Erectile difficulties		questionnaire		37.5
Marumu et al, 2001		1517	IIEF		
	Erectile difficulties			23-29	19.2
				30-39	2.3
				40-49	9.5
				50-59	15.7
				60-69	34.4
				70-79	53.4

DSM-IV: Diagnosis and Statistical Manual for Mental Disorder, $4^{\rm th}$ FSFI: Female Sexual Function Index

IIEF: International Index of Erectile Function

Table 3. Characteristics of Asian studies of sexual dysfunction

	Problem or question	Sample	Scale	Cohort	Prevalence
	-	size		age (year)	(%)
Female					
Dennerstein et al, 2006	Hypoactive sexual desire disorder	2467	PFSF	50-70	12
Laumann et al, 2005	Lack of sexual interest Inability to reach orgasm Orgasm too quickly Pain during sex Lubrication difficulties	3494	Ad hoc questionnaire	40-80	27.6 20.9 9.6 10.4 17.2
Weiss et al, 2009	Arousal Disorder	1000	Ad hoc questionnaire	15-88	10.3
Ponholzer et al, 2004	desire disorders arousal disorders orgasmic problems Pain disorders	703	Ad hoc questionnaire	20-80	22 35 39 12.8
Hayes et al, 2008	hypoactive sexual desire disorder sexual arousal disorder (lubrication) orgasmic disorder dyspareunia	356	SFQ	20-70	16 7 8 1
Mercer et al, 2003	Lack of interest in sex	11161	ICD-10	16-44	40.6

	Unable to experience				14.4
	Unable to experience				1.3
	orgasm Premature orgasm				11.8
	Painful intercourse				9.2
	Trouble lubricating				9.2
Štulhofer et al, 2005	Trouble lubricating	547	Ad hoc	20-60	
Stuffiolef et al, 2005	experienced sexual	347	questionnaire	20-00	33.8
	problems		questionnaire		11.2
	inhibited desire				12.1
	Inhibited arousal				18.4
	inhibited orgasm				6.4
	Dyspareunia				0.4
Dunn et al, 1998	Буѕрагеина	979	Ad hoc	18-75	
Duffit et al, 1990	Orgasmic Dysfunction	919	questionnaire	10-75	27
	Dyspareunia		questionnaire		18
	Vaginal Dryness				18
	problem with arousal				17
	inhibited enjoyment				18
Oksuz et al, 2006	illillotted enjoyment	518	FSFI	18-55	10
Oksuz et al, 2000	overall sexual dysfunction	310	1'31'1	16-55	48.3
	desire problem				48.3
	arousal problem				35.9
	lubrication problem				40.9
	orgasm problem				
	pain problem				42.7
D 11 (1	pani problem	2017	A 11	20.60	42.9
Danielsson et al,	ъ .	3017	Ad hoc	20-60	9.3
2003	Dyspareunia		questionnaire	20-29	13
				30-39	10
				40-49	8.6
T T . 1 2010		=		50-60	6.5
TrÆen et al, 2010		744	Ad hoc	18-67	
	Reduced sexual desire		questionnaire		37
	Problem achieving orgasm				26
	Genital pain				9
Male					
Braun et al, 2000		4489	Ad hoc	30-80	19.2
	erectile dysfunction		questionnaire	30-39	2.3
				40-49	9.5
				50-59	15.7
				60-69	34.4
				70-80	53.4
Laumann et al, 2005		4311	Ad hoc	40-80	
	Lack of sexual interest		questionnaire		12.7
	Inability to reach orgasm				10.6
	Early ejaculation				21.1
	Pain during sex				3.6
	Erectile difficulties				13.1
Nicolosi et al 2003		600	Ad hoc	40-70	
I	erectile dysfunction		questionnaire		17
	erectife dystalicitori				
Mercer et al, 2003	erectile dysfunction	11161	ICD-10	16-44	
Mercer et al, 2003	Lack of interest in sex	11161	ICD-10	16-44	17.1
Mercer et al, 2003	Lack of interest in sex	11161	ICD-10	16-44	17.1 5.3
Mercer et al, 2003		11161	ICD-10	16-44	

	Painful intercourse				5.8
	Unable to achieve or				
	maintain erection				
Akkus et al, 2002		1982	Ad hoc	40+	
	erectile dysfunction		questionnaire		69.2
Dunn et al, 1998		789	Ad hoc	18-75	
	Difficulty getting erection		questionnaire		21
	Difficulty maintaining				24
	erection				26
	erectile dysfunction				14
	Premature ejaculation inhibited enjoyment				9
Giuliano et al, 2002	minorica crijoyment	1004	IIEF-5	40+	31.6
Granario et ai) 2002	erectile dysfunction	1001		40-49	32.2
	J			50-59	27
				60-69	19.7
				≥70	21
Parazzini et al, 2000		2010	Ad hoc	18+	12.8
- uruzzara ev uz, 2 000	Erectile Dysfunction	_010	questionnaire	18-29	2.8
	,		1	30-39	1.9
				40-49	4.8
				50-59	15.7
				60-70	26.8
				>70	48.3
Blanker, M et al,		1688	ICS male sex		
2001	Erectile dysfunction		questionnaire	50-54	3
	·		-	55-59	5
				60-64	11
				65-69	19
	T: 1 . 1 . 6			70-78	26
	Ejaculatory dysfunction			50-54 55-59	3
				55-59 60-64	5
				65-69	11
				70-78	21
					35
TrÆen et al, 2010		873	Ad hoc questionnaire	18-67	-
	Reduced sexual desire				13
	Problem achieving orgasm				6
	Genital pain				2
Martin-Morales et		2476		25-70	
1 0004	Erectile dysfunction		IIEF		18.9
al, 2001	Licetic dystalicuon		Simple question		10.9

PFSF: Profile of Female Sexual Function

SFQ: Sexual Function Questionnaire ICD-10: International Classification of Diagnosis-10

FSFI : Female Sexual Function Index

IIEF-5: International Index of Erectile Function-5 IIEF: International Index of Erectile Function

Table 4. Characteristics of European studies of sexual dysfunction

5. Conclusions

Existing epidemiologic data on sexual dysfunction support high prevalence of these problems worldwide. However, the data are limited and the prevalence data on male sexual dysfunction, except for ED, are too limited. Widely accepted definitions of disorders and scales are primary prerequisites to make prevalence comparisons possible and describe the severity of the problem.

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7. References

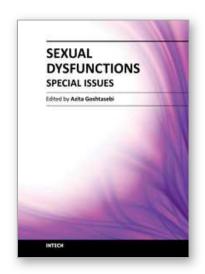
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Sexual dysfunctions have recently recognized as one of the major public health problems. This book enhances our scientific understanding of sexual function and dysfunction from different perspectives. It presents evidence-based interventions for sexual dysfunctions in difficult medical situations such as cancer, and gives a valuable overview of recent experimental researches on the topic. Published in collaboration with InTech - Open Access Publisher, this imperative work will be a practical resource for health care providers and researchers who are involved in the study of sexual health.

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