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The International Index of) IIEF

(Erectile Function

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.(Odds Ratio = /)

Odds Ratio)

Odds Ratio

NIH

DSM-IV

NIH

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(HbA_{1c})

≤ (FBS)

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¹ National Institutes of Health (U.S. Public Health Service)
² Diagnostic and Statistical Manual of Mental Disorders 4th ed.

HbA _{1c}	HbA _{1c}	IIEF	Erectile Dysfunction Score (ED Score)
HbA _{1c} (Good)	/	()	()
(Fair)	/	()	()
()	HbA _{1c} (Poor)	()	()
Odds Ratio	SPSS	(Moderate ED)	(Mild ED)
(/)		() (Severe ED)	
(/)			
/)	IIEF		
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			(/)
		()	*
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Odds Ratio

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Odds Ratio .()

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.(Odds Ratio =)

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Odds Ratio

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.(Odds Ratio = /)

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Odds Ratio

(/)

		Odds Ratio	
		()	/
()			:
*		()	
())% /	()	Rubin & Babbott
/	% /	()	Ellenberg
/		()	Faerman et al.
/		()	McCulloch et al.
/		()	Nathan et al.
/		()	Cavan et al.
/		()	Modebe
/		()	Quadri et al.
()) /	()	Brunner et al.
/		()	Klein et al.
/		()	Siu et al.
/	(/) ()	()	El-Sakka et al.

(P < /)

(McCulloch)

(P < /)

(Modeb)

(P < /)

(Klein)

(Nathan)

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(P < /)

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(Browne)

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HbA_{1c}

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(Siu)

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(Balanitis)

/

(Peyronies)

(phimosis)

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(Corpora Cavemosal)

(/)

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(Fedel)

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References:

1. Beutel ME, Weidner W, Brahler E. Epidemiology of sexual dysfunction in the male population. *Andrologia* 2006;38:115-21.
2. Cartledge JJ, Eardley I, Morrison JF. Nitric oxide-mediated corpus cavernosal smooth muscle relaxation is impaired in ageing and diabetes. *BJU international* 2001;87:394-401.
3. Pegge NC, Twomey AM, Vaughton K, et al. The role of endothelial dysfunction in the pathophysiology of erectile dysfunction in diabetes and in determining response to treatment. *Diabet Med* 2006;23:873-8.
4. Paick JS, Yang JH, Kim SW, Ku JH. Severity of erectile dysfunction in married impotent patients: interrelationship with anthropometry, hormones, metabolic profiles and lifestyle. *Int J Urol* 2007;14:48-53.
5. Colakoglu Z, Kutluay E, Ertekin C, et al. Autonomic nerve involvement and venous leakage in diabetic men with impotence. *BJU Int* 1999;83: 453-6.
6. Rance J, Phillips C, Davies S, et al. How much of a priority is treating erectile dysfunction? A study of patients' perceptions. *Diabet Med* 2003;20:205-9.
7. Ferro A. Erectile dysfunction in diabetes: 'NO' role for the endothelium? *Int J Clin Pract* 2006;60:1154-5.
8. Browne DL, Meeking DR, Allard S, et al. Diabetic erectile dysfunction--an indicator of generalised endothelial function per se? *Int J Clin Pract* 2006;60:1323-6.
9. Kuzuya T, Nakagawa S, Satoh J, et al. Report of the Committee on the classification and diagnostic criteria of diabetes mellitus. *Diabetes Res Clin Pract* 2002;55:65-85.
10. Rosen RC, Cappelleri JC, Gendrano N, 3rd. The International Index of Erectile Function (IIEF): a state-of-the-science review. *Int J Impot Res* 2002;14:226-44.
11. Bacon CG, Hu FB, Giovannucci E, et al. Association of type and duration of diabetes with erectile dysfunction in a large cohort of men. *Diabetes care* 2002; 25:1458-63.
12. Fedele D, Coscelli C, Santeusano F, et al. Erectile dysfunction in diabetic subjects in Italy. Gruppo Italiano Studio Deficit Erettile nei Diabetici. *Diabetes care* 1998;21:1973-7.
13. Safarinejad MR. Prevalence and risk factors for erectile dysfunction in a population-based study in Iran. *Int J Impot Res* 2003;15:246-52.
14. Pohnholzer A, Temml C, Mock K, et al. Prevalence and risk factors for erectile dysfunction in 2869 men using a validated questionnaire. *Eur Urol* 2005;47:80-5.
15. Rubin A, Babbott D. Impotence and diabetes mellitus. *J Am Med Assoc* 1958;168:498-500.
16. Montenero P, Donatone E. Preliminary results on the gentamicin effect in the urinary tract infections of diabetic subjects. *G Ital Chemioter* 1969;16:130-2.
17. Prikhozhan VM. Impotence in diabetes mellitus. *Probl Endokrinol* 1967;13:37-41.
18. Beyer J, Schoffling K. Clinical experience with glibenclamide in 300 diabetics. *Postgrad Med J* 1970;Suppl:78-83.
19. Ellenberg M. Impotence in diabetes: the neurologic factor. *Ann Intern Med* 1971; 75: 213-9.
20. Faerman I, Vilar O, Rivarola MA, et al. Impotence and diabetes. Studies of androgenic function in diabetic impotent males. *Diabetes* 1972;21:23-30.
21. Quadri R, Zalone M, Maule S, Ponzani P, Fonzo D. Is it possible to prevent andrological complications in the diabetic patient?. *Arch Ital Urol Nefrol Androl* 1991;63:435-9.
22. McCulloch DK, Campbell IW, Wu FC,

- Clarke B, Prescott RJ. Impotence in diabetic and non-diabetic hospital outpatients. *Br Med J* 1980;281:1216.
23. Cavan DA, Barnett AH, Leatherdale BA. Diabetic impotence: risk factors in a clinic population. *Diabetes Res* 1987;5:145-8.
24. Modebe O. Erectile failure among medical clinic patients. *Afr J Med Med Sci* 1990;19:259-64.
25. Romeo JH, Seftel AD, Madhun ZT, et al. Sexual function in men with diabetes type 2: association with glycemic control. *J Urol* 2000;163:788-91.
26. Brunner GA, Pieber TR, Schattenberg S, et al. Erectile dysfunction in patients with type I diabetes mellitus. *Wien Med Wochenschr* 1995;145:584-6.
27. Klein R, Klein BE, Lee KE, Moss SE, Cruickshanks KJ. Prevalence of self-reported erectile dysfunction in people with long-term IDDM. *Diabetes care* 1996;19:135-41.
28. Nathan DM, Singer DE, Godine JE, Perlmutter LC. Non-insulin-dependent diabetes in older patients. Complications and risk factors. *Am J Med* 1986;81:837-42.
29. Siu SC, Lo SK, Wong KW, et al. Prevalence of and risk factors for erectile dysfunction in Hong Kong diabetic patients. *Diabet Med* 2001;18:732-8.
30. El-Sakka AI, Tayeb KA. Erectile dysfunction risk factors in noninsulin dependent diabetic Saudi patients. *J Uro* 2003;169:1043-7.
31. Bortolotti A, Parazzini F, Colli E, Landoni M. The epidemiology of erectile dysfunction and its risk factors. *Int J Androl* 1997;20:323-34.
32. Alexander W. The management of erectile dysfunction associated with diabetes. *Sex Dys* 1998; 1: 113-8.