

Effective contraceptive practise and its associated factors among women with uncontrolled diabetes in Terengganu.



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Background: Women with uncontrolled diabetes should practice effective avoid unplanned contraception to pregnancy.(1) This study aimed determine the prevalence of the effective contraceptive practice and its associated factors among women with uncontrolled diahetes

Results: A total of 305 women with uncontrolled diabetes (HbA1c > 6.5%) aged 19 to 49 participated in this study. The proportion of effective contraceptive practice was 36.4% (95% CI: 42.2, 53.5). The effective contraceptive practice was significantly associated with unemployment (Adj.OR: 2.05; 95% CI:1.22, 3.44), poor knowledge on preconception care (Adj.OR: 0.6; 95% CI:0.37, 0.99), and poor attitude on preconception care (Adj.OR: 0.44; 95% CI; 0.23, 0.87).

Methodology: A cross-sectional study was conducted among women of reproductive age with uncontrolled diabetes. Subjects were recruited among diabetic women attending governments health clinics in Terengganu using a multistage random sampling method. Effective contraception was defined as either hormonal contraception (oral, injection, implant), intrauterine contraceptive device, or bilateral tubal ligation. Data were collected using a selfadministered questionnaire and medical record review. Multiple logistic regression was used to determine the factors for effective associated contraception practice.

Median (IQR) Frequency (%) Characteristics Age: < 40 years 85 (27.9) 220 (72.1) ≥ 40 years 298 (97.7) Malays Non-Malays 7 (2.3) Marital status: 294 (96.4) 5 (1.6) Single Divorced / widower 6 (2.0) Educational level: 23 (7.5) Primary 213 (69.8) Tertiary 69 (22.6) Occupational status: Employed 112 (36.7) 193 (63.3) Unemployed Monthly household income (RM) 1500 (1500) High (>RM3000) 41(13.4) Low (≤ RM3000) 205 (67.2) 59 (19.3) Missing data

Table 1: Socio-demographic characteristics of 305 respondents

Table 2: Family planning characteristics of 305 respondents Characteristics Frequency (%) Are you planning to get pregnant in 6 months? No 259 (84.9) Yes 44 (14.4) Not related 1 (0.3) Missing data 1 (0.3) Did you use any family planning methods in the last six months? 194 (63.6) Yes 111 (36.4) Types of contraception used (n=111) Estrogen OCP 35 (31.5) Depoprovera injection 52 (46.8) IUCD 9 (8.1) Progesterone OCP 10 (9.0) Implanon 3 (2.7)

2 (1.8)

Discussion and conclusion: Similar with other studies,^(2,3) the prevalence of effective contraceptive practice was unsatisfactory. Effective contraception practice should be emphasized on all women with uncontrolled diabetes.⁽¹⁾ Preconception counselling focusing on glucose control and suitable contraception should be compulsory for this population to improve their knowledge and attitude towards preconception care.

References:

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