

Effect of a medical study plan on competencies for the identification and management of diabetes mellitus 2

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Objective: To evaluate the effect of the study plan of the Bachelor of Medicine at the University on the professional skills to identify and manage DM".

Material and Methods: Quasi-experimental study of a pre-experimental type compared with a static group.

Location: Campus Vallarta.

Period: September-December 2019.

Universe: 182 medical students.

Sample: Non-probabilistic, n = 114 medical students, 62 from the first semester (G1, intervention moment "A"), 52 from the sixth semester (G2, intervention moment "B"), and 84 G3 medical interns, plus 50 students of first semester of degree not related to health (G0, control).

Sampling: Proactive.

Selection criteria: Any age and sex, and answer instruments.

Variables: Age, sex and professional skills` for health promotion and social participation.

Instruments: Instrument in Spanish to Evaluate Professional Competences.

Procedures: The evaluations were carried out at the end of the 2019B semester.

Analysis: Comparison using non-parametric inferential statistics ($p \leq 0.05$).

Results: Levels of professional skills to identify and manage DM2: G0 100% little or not competent, G1 64.5% little or not competent and 35.5% moderately, G2 11.5% little or not competent and 88.5% moderately. The level of competence was higher when exposed to the curriculum, and increased with longer exposure time (χ^2 , $p \leq 0.05$ in all cases).

Conclusions: The evaluated medicine curriculum develops in its students professional skills for health promotion and social participation, but it is likely to be improved.

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Biography

Carlos E. Cabrera Pivaral is affiliated to University of Guadalajara, Mexico. He is a recipient of many awards and grants for his valuable contributions and discoveries in major area of diabetes research. His international experience includes various programs, contributions and participation in different countries for diverse fields of study. His research interests reflect in his wide range of publications in various national and international journals.

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