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Abdominal Hysterectomy and Impaired Physical Function In Colombian Older Women: A Cross-Sectional Study

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OBJECTIVE

To objective of this study was to estimate the association between abdominal hysterectomy and impaired physical function in older adult women

MATERIALS & METHODS

A cross-sectional study was carried out in women living in Colombia, aged between 60-75 years, who signed informed consent, allowed anthropometric measurements and filled out a form that explored sociodemographic and clinical data and applied the physical function subscale of the SF-36 Questionnaire. Adjusted logistic regression were performed: impairment in physical function [dependent variable] with a history of hysterectomy with or without oophorectomy in premenopause or postmenopause [independent variable]

RESULTS

Women participated: 700	
Age, y, X±SD	67.0±4.8
Time since menopause, y, X±SD	18.9±6.3
Hysterectomy with oophorectomy in premenopause	4.2 %
Hysterectomy without oophorectomy in premenopause	18.1 %
Hysterectomy with oophorectomy in postmenopause	2.1 %
Hysterectomy without oophorectomy in postmenopause	8.4 %

Associated with impaired physical function OR [CI95%] Adjusted Logistic Regression

Hysterectomy with oophorectomy in premenopause	2.67 [1.19 - 5.97] p = 0.01
Hysterectomy without oophorectomy in premenopause	2.02 [1.34 - 3.09] p < 0.001
Hysterectomy with preservation or removal of ovarian in postmenopause was not associated with impaired physical function (p>0.05)	

Covariates: age, nutritional status, abdominal and androgenic obesity. Occupation, classification according to muscle mass, physical performance and muscle strength

CONCLUSION

Hysterectomy with or without oophorectomy in premenopause, unlike that performed in postmenopause, was associated with limitation of usual activities and impaired physical function

Full text available

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