

Acanthosis nigricans as an indicator of insulin resistance in Chilean adult population

Acanthosis nigricans como un indicador de insulinoresistencia en poblacion Chilena adulta

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Background: Insulin resistance (IR) is associated with a higher risk of multiple diseases and its early detection would allow to minimize the associated risk; the presence of acanthosis nigricans (AN) it's associated to the presence of IR. **Objective:** To evaluate the sensibility and specificity of AN to diagnose IR in a group of Chilean patients. **Methods:** We designed a cross-sectional study and it was included subjects that were attended at the Center for the Attention of Metabolic Diseases at the Faculty of Medicine, University of Chile. Sixty subjects (18-60 years age) were included. It was determined BMI and diagnosed AN and skin phototype; blood samples were taken and calculated the HOMA-IR. The normality of the variables where analyzed by Kolmogorov-Smirnov test. There were used χ^2 and the diagnostic concordance between AN and IR was determined using the Kappa index and Pearson's correlation. Sensibility, specificity, positive and negative predictive value were calculated and acce