

Eating disorders are a heterogeneous group of complicated psychological disorders that manifested by abnormal ingestion behaviors like bulimia nervosa and binge eating disorder which result in increased risk of morbidity, or maybe mortality. Metabolic syndrome frequently increase with age, creating its diagnosis is necessary due to increased risk of many diseases. Certain eating behaviors were related to metabolic syndrome.

To determine the prevalence of *metabolic syndrome* in elderly and to explore eating disorders in elderly persons with metabolic syndrome.

Crosssectional study including (175) patients over 60 years old in Babylon province , Iraq , from August 2016 to February 2017. Data collection tools included: Structured questionnaires, anthropometric measurement and Biochemical investigations.

From a total sample (175), 81(46%) of the elderly has been diagnosed as metabolic syndrome, 28 out of 81(35%) of them had eating disorders ,11 (39%) met criteria of bulimia nervosa and 17(61%) reported Binge eating. There was significant association between two groups "with and without eating disorders " regarding age ,gender , marital state and educational level

Prevalence of *Eating Disorders* in elderly with metabolic syndrome is high . binge eating is more common than bulimia nervosa.