University Of Baghdad	
Alkindy College Of Medicine/ Research Module	
Full name of students:	**1.** – Nawras Alaa-Aldeen نورس علاء الدين 2. – Dalia Ahmed Braisem داليا أحمد بريسم
Name of Supervisor	Dr. Laith Thamer Al-Ameri م.د. ليث ثامر العامري
Year :	**2017-2018**
Title and Abstract	**Evaluation of obesity, smoking, and sedentary lifestyle associations with back pain in young adults** **Background**: low back pain is one of the most common public health pro and of the most common musculoskeletal. Many risk factors have been cons for developing low back pain include smoking, obesity and sedentary lifestyle **Aim of study:** To evaluate smoking, obesity, and sedentary lifestyle associ with low back pain in young adults aged (18 – 39 years). **Materials and methods:** a comparative cross sectional study for young aged 18 – 39 years, participants with low back pain as a symptom constitut first group, others free of this symptom considered as the controlled group and gender matched in both groups. Smoking, obesity and sedentary life variables collected and analyzed using odd ratio and chi-square **Results:** 100 patients were enrolled the study after 12 patients being remove to our exclusion criteria. 45 were with low back pain, 2:1 male to female rati LBP group; data show 30:15 obese to none obese, 23:22 smokers to none sr 35:10 with sedentary lifestyle compared to active one. While in the con group, data show 22:33 obese to none obese, 16:39 smokers to none smoker, with sedentary lifestyle compared to active one. Chi-square p-value was of 0 0.025 and 0.0003 for obesity, smoking, and sedentary lifestyle respectivel odds ratio was 3, 2.55 and 4.86 for obesity, smoking, and sedentary li respectively. All above results were significant. **Conclusion:** Each of smoking, obesity and sedentary lifestyle is associate low back pain in young adults' age group. **Keywords:** low back pain, obesity, smoking, sedentary life style

Module Coordinator

Supervisor Name & Signature   **Prof Dr. Huda Adnan**

Dr. Laith Thamer Al-Ameri