



KEY WORDS

- ✓ Ecchymosis
- ✓ Hematoma
- ✓ Subcutaneous Heparin
- ✓ Nursing

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EFFECT OF SUBCUTANEOUS HEPARIN INJECTION APPLIED TO TWO DIFFERENT AREAS ON ECCHYMOSIS AND HEMATOMA

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THESIS ABSTRACT

This study compared the effects of subcutaneous low molecular weight heparin (LMWH) injection into the abdominal and upper arm regions on ecchymosis and hematoma formation. In the study conducted at Bursa Uludağ University Faculty of Medicine between February and May 2025, the experimental group received an abdominal injection, while the control group received an upper arm injection. Data were collected using the "Patient Identification Form" and the "Opsite Flexigrid Measurement Tool." In the evaluation performed 48 hours after the injection, the ecchymosis size in the abdominal region was found to be statistically significantly smaller than that in the upper arm ($p<0.05$). However, no significant difference was observed in the mean hematoma size between the two groups ($p>0.05$).

APPLICATION AREAS OF THE THESIS RESULTS

It is recommended that the study results should be shared with other health professionals, especially nurses, and disseminated in practice, and that standard methods for subcutaneous heparin injection should be determined through in-service training and that action should be taken in this direction.

ACADEMIC ACTIVITIES

1. Işıklar, S., & Yılmaz, D. (2025). "Principles Of Rational Drug Use in Elderly Individuals". 11th International ACHARAKA Congress on Medicine, Nursing, Midwifery, and Health Sciences, Oral Presentation, Azerbaijan, June 15-17, 2025, (Online participation), (International congress paper)

