



Ministry of Higher Education and Scientific Research  
University Of Mosul / College of Nursing



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## Common Errors during Intravenous Infusion

A Graduation project submitted by:

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## Abstract

**Introduction and objective:** Intravenous solutions are considered one of the most widely used medical materials in emergency departments in all hospitals around the world and the nurse must follow the correct medical scientific steps for that, choosing the right place and the right vein and good sterilization of the skin before the formation of cannula. Our study aimed to determine the weakness points during intravenous infusion and detect the high errors that lead to complications to patient.

**Material and methods:** Descriptive study design was carried out in order to achieve the objectives of the present study. Constructed checklist was dependent for this study includes (14) items. The data were collected from the 30<sup>th</sup> of December 2019 to 1<sup>st</sup> of March 2020. The study subjects consist of (70) nurses who were working in emergency departments in seven general hospitals at Mosul city, ten nurses from every hospital.

**Results:** The results show (98.6) from the sample don't wash your hands before nursing procedures, (51.4) not wear gloves, (65.7) don't sterilized of patient's skin before insert the cannula, (90%) from them don't give the (I.V) fluid according to drop formula, (58.6%) not follow the signs and symptoms of (I.V) fluid complications, and (67.1) from the nurses puncture the intravenous fluid bags by needle during (I.V) infusion.

**Conclusion:** the study demonstrate some defects during intravenous infusion process, this defects related to hand washing, wear gloves, good sterilization for skin before insertion the cannula, give the fluid according to drops formula, Monitor the Patient for (I.V) fluids complications, the puncture of intravenous fluid bags by needle. And when comparing the results between the seven hospitals, the results of the Al-Khansa, Al-Salam, and Ibn Al-Atheer hospitals were the worst.

**Recommendation:** training courses and alerting nurses to follow the correct application of nursing procedures and the universal standard protocols to protect patient's health and their safety.

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**Keywords:** Intravenous infusion, Errors