

University of Mosul

College of Nursing



**Effect of Educational program on Nurses
knowledge and practices Regarding care
of Heart Failure patients in Telafer
General Hospital**

A Thesis Submitted

By

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M. Sc. Thesis

Science in Nursing

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2025 A.D.

1447 A.H.

Abstract

Background: Congestive Heart Failure is one of the most common chronic conditions in healthcare today. It is currently the only type of heart disease that shows a rising trend in both occurrence and death rates. The Congestive Heart Failure significantly contributes to the increasing number of cardiovascular-related illnesses and fatalities.

Objective: Effect of educational program on nurse's knowledge and practices regarding care of patient with heart failure in Telafer General Hospital.

Methodology: A quasi -experimental (pre and post-test) specific research design for the period from November 20th, 2024, to July 1st, 2025 at Telafer General Hospital . Purposive sample consist of the 60 nurses study and control groups took about 9 weeks to be evaluated by the researcher. A non- probability purposive sample was chosen among sixty nurses who works in the critical care unit and medical ward in Telafer General Hospital, which was applied in three phases . The questionnaire consisted of three parts used for data collection by the interview method. The tests were applied to summarize the data and compare numerical .

Results: The study found no significant differences in demographic characteristics between groups ($P > 0.05$). Nurses' knowledge in the study group improved from fair (Mean = 1.97) to good (Mean = 2.66, $P < 0.001$), while the control group showed no change. Similarly, practice scores increased from poor to fair to good which is vital signs: Pre = 15.2 and Post = 26.4, $P < 0.001$ in the study group, with no significant changes in the control group. The program effectively enhanced nurses' knowledge and practice in heart failure care.

Conclusions: According to the study's findings, nurses' knowledge

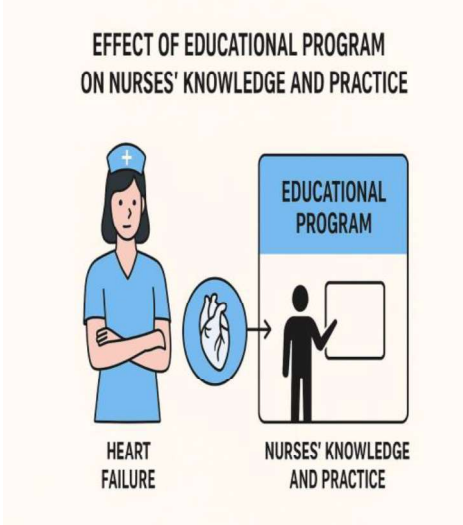
and proficiency in providing care for individuals with heart failure were significantly improved after they obtained an educational program, had a positive impact on the study group knowledge. Practices have improved from fair to good levels reinforcing the efficacy of the intervention.

Recommendations: Conducting regular training programs and workshops focusing on nurse's performance, knowledge and practices about heart failure, especially targeting younger and less experienced nurses.

Keywords: Educational program; Nurses' knowledge; Nursing practice; Heart failure; Patient care

Effect of educational program on nurses knowledge and practice regarding care of heart failure patients in talafer general hospital

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HIGHLIGHTS	GRAPHICAL ABSTRACT
<p>The study evaluated the effect of an educational program on nurses' knowledge and practice regarding care of heart failure patients at Telafer General Hospital.</p> <ul style="list-style-type: none"> • Nurses' knowledge improved significantly in the study group from fair (Mean = 1.97) to good (Mean = 2.66, $P < 0.001$), with no change in the control group. • Nursing practice scores increased from poor–fair to good (e.g., vital signs assessment: Pre = 15.2 → Post = 26.4, $P < 0.001$) in the study group, with no significant changes in the control group. • The educational program effectively enhanced nurses' knowledge and clinical practice, supporting its implementation in ongoing training programs. 	<div style="text-align: center;"> <p>EFFECT OF EDUCATIONAL PROGRAM ON NURSES' KNOWLEDGE AND PRACTICE</p>  </div>
<p>Keywords:</p> <p>Educational program; Nurses' knowledge; Nursing practice; Heart failure; Patient care.</p>	<p>ABSTRACT</p> <p>Background: Congestive Heart Failure is one of the most common chronic conditions in healthcare today. It is currently the only type of heart disease that shows a rising trend in both occurrence and death rates. The Congestive Heart Failure significantly contributes to the increasing number of cardiovascular-related illnesses and fatalities.</p> <p>Objectives: Effect of educational program on nurse's knowledge and practices regarding care of patient with heart failure in Telafer General Hospital. .</p> <p>Methodology: A quasi -experimental (pre and post-test) specific research design for the period from November 20th, 2024, to July 1st, 2025 at Telafer General Hospital . Purposive sample consist of the 60 nurses study and control groups took about 9 weeks to be evaluated by the researcher. A non- probability purposive sample was chosen among sixty nurses who works in the critical care unit and medical ward in Telafer General Hospital..</p> <p>Results The study found no significant differences in demographic characteristics between groups ($P > 0.05$). Nurses' knowledge in the study group improved from fair (Mean = 1.97) to good (Mean = 2.66, $P < 0.001$), while the control group showed no change. Similarly, practice scores increased from poor to fair to good which is vital signs: Pre = 15.2 and Post = 26.4, $P < 0.001$ in the study group, with no significant changes in the control group. The program effectively enhanced nurses' knowledge and practice in heart failure care.</p> <p>Conclusions and Recommendations: According to the study's findings, nurses' knowledge and proficiency in providing care for individuals with heart failure were significantly improved after they obtained an educational program, had a positive impact on the study group knowledge. Practices have improved from fair to good levels reinforcing the efficacy of the intervention.</p> <p>Conducting regular training programs and workshops focusing on nurse's performance, knowledge and practices about heart failure, especially targeting younger and less experienced nurses.</p> <p>2025 M.Sc. Thesis @Univ. of Mosul, College of Nursing, Nursing Sciences Dept. (https://www.uomosul.edu.iq/).</p>



جامعة الموصل
كلية التمريض

تأثير البرنامج التثقيفي على معارف وممارسات المرضى المتعلقة برعاية مرضى قصور القلب في مستشفى تلعفر العام

رسالة تقدمت بها
امينة عبدالواحد زينل حسين

إلى
مجلس كلية التمريض / جامعة الموصل
وهي جزء من متطلبات نيل شهادة الماجستير في علوم التمريض

بإشراف
د. احسان حسن زينل
أستاذ مساعد

المستخلص:

الخلفية:

يعد القصور القلبي أحد أكثر الحالات المزمنة شيوعاً في مجال الرعاية الصحية اليوم. وهو حالياً النوع الوحيد من أمراض القلب الذي يظهر اتجاهًا متزايدًا في معدلات الإصابة والوفاة. يساهم التقدم طويل المدى لمرض القلب الاحتقاني بشكل كبير في زيادة عدد الأمراض والوفيات المرتبطة بالقلب والأوعية الدموية.

الهدف :

تقييم تأثير البرنامج التعليمي على معارف وممارسات الممرضين المتعلقة برعاية مرضى قصور القلب في مستشفى تلغفر العام

المنهجية اختبار تجريبي (قبلي وبعدي) تم اعتماد تصميم بحثي محدد لإجراء هذه الدراسة لتحقيق أهداف الدراسة حوالي أربعة أشهر للفترة من 20 تشرين الثاني 2024 إلى 1 تموز 2025 في مستشفى تلغفر العام. استغرق تقييم ستين ممرضاً (مجموعتي دراسة وضابطة حوالي 9 أسابيع من قبل الباحث. تم اختيار عينة قصدية غير احتمالية من بين ستين ممرضاً وممرضة يعملون في وحدة العناية المركزة وردهة الباطنية في مستشفى تلغفر العام، والتي تم تطبيقها على ثلاث مراحل. تتكون الاستبيان المستخدم من ثلاث أجزاء واستخدمت طريقة المقابلة لجمع البيانات. ، واختبار (t) لتحليل البيانات ومقارنة النتائج العددية.

النتائج: أظهرت النتائج أن البرنامج التعليمي كان فعالاً بين معارف الممرضين حول إدارة مرضى قصور القلب. كما تبين أن هناك تحسناً جيداً مع وجود فروق ذات دلالة إحصائية عالية في مجموعة الدراسة بين الاختبار القبلي والبعدي في إجمالي البنود. كانت غالبية الممرضين

المشاركات هن من الاناث, ومعظمهم حاصلين على شهادة البكالوريوس في التمريض.

الاستنتاجات: وفقا لنتائج الدراسة، فإن معرفة الممرضين وكفاءتهم في تقديم الرعاية للأفراد المصابين بقصور القلب تحسنت بشكل ملحوظ بعد حصولهم على برنامج تعليمي، وكان له تأثير إيجابي على معرفة مجموعة الدراسة، وتحسن الممارسات من مستويات متوسطة إلى جيدة مما يعزز فعالية التدخل.

التوصيات: اوصت الدراسة على ضرورة إجراء برامج تدريبية وورش عمل منتظمة تركز على معارف أداء الممرضين وممارساتهم حول قصور القلب، وخاصة استهداف الممرضين الأصغر سنا والأقل خبرة.