

Vocational Nursing Science

Vol : 04 No : 01 Year: 2022

DOI: doi.org/10.52221/jvnus.v4i1.319





homepage: https://ojs.stikesmucis.ac.id/index.php/jvnus

Back Massage Relaxation Therapy Intervention and Measurement of Client Fatigue Score in Congested Heart Failure Clients with **Activity Intolerance Disorder**

Iif Taufig El Hague¹, Asep Gunawan ¹, Nur Hidayat¹, Sukmara Aji Falah ¹ ¹STIKes Muhammadiyah Ciamis, Indonesia

Correspondence author: Sukmara Aji Falah Email: sukmaraajifalah080301@gmail.com

address: Jln. KH. Ahmad Dahlan No. 20 Ciamis 24616

Submitted: 22 Apr 2022, Revised: 7 May 2022, Accepted: 11 May 2022, Published: 20 May 2022



The work is distributed under <u>Lisensi Creative Commons Atribusi 4.0 Internasional</u>.

ABSTRACT

Objective: Congestive heart failure is a condition where the heart is unable to pump adequate blood to meet the needs of the network. If the supply in the blood cannot flow to parts of the body, it can cause the body to experience weakness, lethargy, and usually tire easily, so that it will experience problems, namely activity intolerance. One of the nonpharmacological interventions that can be done is relaxation therapy, one of which is back massage therapy, and measuring fatigue scores. This study was conducted to present nursing care to congestive heart failure clients with activity intolerance problems with back massage interventions and to measure client fatigue scores in the Kenanga Room at Banjar City Hospital.

Method: The method in this study is a descriptive case study and a subjective questionnaire that aims to describe the nursing care of congestive heart failure clients with activity intolerance disorders with back massage interventions and measure fatigue scores using FACIT (Functional Assessment of Chronic Illness Therapy) questionnaires for clients in the memory room of RSUD Kota Banjar. The approach used in this case study is the process of nursing care, which includes assessment, intervention, diagnosis, implementation, and evaluation of nursing. Data collection techniques include interviews, observation, physical examination, and documentation studies. Subjects in this study were patients who experienced congestive heart failure with activity intolerance problems.

Result: At the assessment stage, it is known that the client complains that the body is tired easily. The intervention given is energy management according to the SIKI book, and adding back massage therapy and measuring the client's fatigue score are carried out for 3 days. After the intervention was carried out, the client said that he was tired, and the client's fatigue score had increased.

Conclusion: Nursing care for clients who experience congestive heart failure with activity intolerance problems using back massage therapy is effective in overcoming client fatigue.

Keywords: Activity Intolerance, Back Massage, Congestive Heart Failure

Introduction

The heart is one of the organs that plays a very important role in the human body, if the heart can no longer function normally to pump blood throughout the body and supply the body 's metabolic needs, it is very dangerous for the body. (Herdiansyah & Wasid, 2022) Heart disease can be caused by changes in a person's lifestyle, increased consumption of calories, fat, and smoking and decreased activity often lead to an increased incidence of heart disease (Hanifah et al., 2021). One of them is the disease "Congestive Heart Failure".

The mortality rate associated with *Congestive Heart Failure* varies depending on the severity of the condition . The World Health Organization 2021 said that the estimated death of patients with cardiovascular disease in 2019 was 17.9 million, representing 32% of total deaths globally and 38% caused by *Congestive Heart Failure* . Based on the results of the Basic Health Research (Riskesdas) of the Indonesian Ministry of Health in 2018 , the prevalence of *Congestive Heart Failure* in Indonesia reached 1.5% and those diagnosed by doctors were 1.3% male and 1.6% female or an estimated 29,550 people diagnosed with Congestive Heart Failure (Ningrum et al., 2021) .

Congestive Heart Failure is a condition in which abnormal heart function causes failure of the heart to pump blood to meet tissue needs (Pramesti, 2021). If the supply in the blood and oxygen cannot flow, it can cause a symptom, including the body will experience weakness, lethargy, and usually get tired easily, so you will experience a problem, namely activity intolerance. Activity intolerance is a condition in which a person does not have enough physiological and psychological energy to endure or complete the desired daily activities. Activity intolerance is one of the main problems in patients with Congestive Heart Failure, for that severe activity restrictions are very helpful to reduce the burden on the heart and reduce fatigue (Princess, 2019)

Fatigue is the most common symptom in patients with Congestive Heart Failure and is a symptom that often appears, but often times less attention and neglect resulted in a decrease in the patient's ability to perform daily activities and improve quality of life (Setianingsih & Hastuti, 2021) . To find out the fatigue score can be measured using a questionnaire, one of which is the FACIT Functional Assessment Of Chronic Illness Therapy questionnaire (Rachmawati et al., 2021) Consists of 13 statements . Fatigue levels were measured on 4 scales, namely 4 = very much, 3 = quite a lot, 2 = moderate, 1 = a little and 0 = not at all. The value range of the FACIT Fatigue Scale questionnaire is between 0-40 where the higher the value, the better the quality of life. Value < 17 = severe, 18-30 moderate and 30-40 mild (Wahyuni & Damanik, 2020) .

Management for patients with Congestive Heart Failure can be done by pharmacological and non-pharmacological methods. For non-pharmacological methods, relaxation techniques can be used, one of which is the back massage relaxation technique. Back massage therapy is relatively simple, easy and inexpensive. In its application, it can directly stimulate the parasympathetic receptors in the back area so that it has a relaxing effect. In addition, with relaxation, blood vessels are expected to dilate which has implications for decreasing peripheral resistance which will directly reduce the workload of the heart

(Kurniawan et al., 2021) Reducing the workload of the heart will have a positive impact on patients with congestive heart failure by providing an opportunity for the myocardium to relax. In this phase, circulation to the systemic tissues will improve even though the heart has decreased in terms of contractility and cardiac output, improving circulation will overcome the fatigue experienced with a record of activities according to tolerance (Nugraha et al., 2017).

Objective

Case study It is known that the description of comprehensive nursing care for Congestive heart failure clients with activity intolerance with back massage interventions and measuring client fatigue scores using the FACIT Functional Assessment Of Chronic Illness Therapy questionnaire *in* the Kenanga room at the Banjar City Hospital.

Method

Writing method uses descriptive case studies and subjective questionnaires that aim to describe the nursing care of clients with *Congestive Heart Failure* with activity intolerance disorders with back massage interventions and measuring fatigue scores using a client's FACIT (Functional Assessment Of Chronic Illness Therapy) questionnaire in the memory room of Banjar City Hospital. The approach used in this case study is the process of nursing care which includes assessment, diagnosis, intervention, implementation and evaluation of nursing.

Congestive heart failure client in the Kenanga Room BLUD Banjar City General Hospital from 30 May 2021 – 1 June 2021. Before the study was carried out, the researcher explained in advance about the process to be carried out and after being given an explanation, the client was willing to be a respondent by giving a verbal informed consent.

Results Assessment

The client came to the Banjar City Emergency Room and was transferred to the Kenanga room on 28 May 2021. When the assessment was carried out on 30 May 2021 at 07.00 WIB in the Kenanga Room of the Banjar City Hospital, the client complained of getting tired easily, fatigue felt heavy when the client did excessive activity and improved when rested. Fatigue always appears after doing activities. The client appears to just lie in bed and the client's activities are assisted by the family. Apart from being tired, the client also says that it is shortness of breath after doing activities such as going from bed to the bathroom respiration: 26x/minute.

Table 1. Activity Patterns

Activity Patterns		
Nutrition Pattern	Eat 3x a day rice, vegetables and side dishes.	
	Drinking 8 00cc/day assisted by family.	
Elimination Pattern	Chapter 1x/day, BAK is often a little a little	
	about 200cc helped by the family.	

Sleep Rest Pattern	Clients sleep at night for 7 hours, naps are	
	erratic .	
Personal Hyangiene	Take a bath once a day with a washcloth, only change clothes once a day with the help of the	
	family.	

Table 2 . Physical Examination

Physical I	Examination
Blood pressure	110/80 mmHg
Pulse	102x/minute
Respiration	26x/minute
Temperature	36.6°C
GCS	Composmentis E=4 M=6 V=5 = 15
Respiratory system	Inspection: Movement of the chest right and
	left symmetrical
	Palpation: No lumps
	Percussion: All resonant lung fields
	Auscultation: No additional breath sounds
Cardiovascular System	Inspection: No injury , CRT < 2 seconds, normal
	conjunctiva
	Palpation: No lumps and tenderness
	Auscultation: S1 S2 Lup-dup
Integumentary System	Brown skin color is even, there are no lesions,
	no tenderness and no lumps
Nervous System	GCS E:4V:5M:6=15 , Consciousness:
	Composmentis.
	Nervus -I _ (Olfactory) : Can identify odors
	Nervus -II _ (Opticus) : Left eye see well
	Nervus -III _ (Oculomotor) : Symmetrical pupil
	movement
	Nervus -IV _ (Throchealis): Movement of the
	pupils right-left
	Nervus -V _ (Trigeminus): Can open mouth and
	chew
	Nervus -VI _ (Abducens): Can move the eye
	laterally
	Nervus -VII _ (Facial): Can frown, symmetrical
	smile, symmetrical lip shape, good taste
	function, can distinguish between sweet and
	bitter tastes
	Nervus -VIII _ (Vestibularis): Able to hear well
	Nervus -IX_ (Glossopharyngeus) : Can be swallowed
	Nervus -X _ (Vagus): There is a gag reflex
	Nervus -XI (Accessories): Able to turn the neck
	without moving the shoulders
	Nervus -XII (Hypoglossus): Speech normally, no
	tenderness, light reflex right: - / left: +
Urinary System	Inspection: Catheter not attached
	Palpation: No tenderness

Reproduction system	Female gender. There are no abnormalities in	
	the reproductive organs.	
Gastroentertestial System	Inspection: Dry mucosa and no ascites	
	Palpation: No tenderness and no liver	
	enlargement	
	Percussion: Timpani	
	Auscultation: Bowel sounds 17 x/minute	
Musculoskeletal System	Inspection: There are no abnormalities in the	
	movement of joints and bones, the client	
	looks weak in moving his arms and legs	
	Palpation: warm acral	
	Muscle strength 4 4	
	4 4	
	IV ringer's lactate infusion was installed in the	
	left hand	

Table 3. Diagnostic Examination Results

	Inspection	Results	Normal Value
Lab: Complete blood	Hemoglobin	11,4	12-15 gr/dl
count on May 28,	Leukocytes	8,6	4.4-11.3 thousand/mm ³
2021 at 08.44 WIB	Platelets	182	150-456 thousand/mm ³
	Hematocrit	36	35-46%
	Erythrocyte	3.8	4.1-51 million/ul
	Basophils	0	0-1%
	Eosinophils	1	0-5%
	Lymphocytes	19	22-40%
	Monocytes	5	2-8%
	MCH	30	26-33 p.m
	MCHC	32	32-36%
	Creatinine	0.7	0.5-0.9 mg/dl
	Urea	36	15-50 mg/dl
	Glucose Levels In The Blood	122	<140 mg/dl
Thorax X-ray	Based on the results of a chest X-		
	ray carried out on 28 May 2021		
	clients experienced cardiomegaly.		

Table 4. Data Analysis

Data Analysis	Etiology	Problem
Subjective data:	Congestive heart failure	Activity Intolerance
1. The client says he gets		
tired easily	Failed right ventricular pump	
2. Clients say tired always	₹	
appears after doing activities.	Imbalance between oxygen	
3. The client says the client	supply an <u>d</u> body needs	
needs activities assisted by	igstyle	
the family.	Renal flow increases	
Objective Data :	igstyle	
1. The client looks tired	RAA <u>inc</u> reases	
2. The client seems to just lie	1	
in bed.	Aldosterone increases	

3. Client activity appears to
be assisted by the family
4. After doing activities such
as going from bed to
bathroom respiration:
26x/minute

5. Muscle strength 4 4
4 Activity Intolerance

Diagnosis

The diagnosis comes from the SDKI published by PPNI.

Table 4. Nursing Diagnoses

Nursing diagnosis	No. Diagnosis	Page
Activity Intolerance Related	D. 0056	128
to Imbalance Between		
Oxygen Supply and Body		
Needs		

Planning

Nursing planning refers to and is sourced from SLKI and SIKI published by PPNI.

Table	5.	Nursing	Interv	entions '
-------	----	---------	--------	-----------

Nursing diagnoses	Objectives and	Intervention	Rational
	Results Criteria		
Activity intolerance	After nursing care has	SIKI: (Energy	
related to an	been carried out for 1	management	
imbalance between	x 24 hours, it is	I.050178)	
oxygen supply and the	expected that Activity	Observation	
body's needs is	Tolerance (L.05047)	1. Identify tolerance in	1. Know about
characterized by	will increase with the	activities	tolerance in activities
subjective data:	following indicators:	2. Monitor physical	2. Monitor physical
1. The client says he	1. Complaints of	fatigue	fatigue
gets tired easily	fatigue have	Therapeutic	
2. Clients say tired	decreased	3 . Provide a	3 . Provide a
always appears after	considerably	comfortable, low-	comfortable, low-
doing activities.	2. Dyspnea on	stimulus environment	stimulus environment
3. The client says the	moderately decreased	4. Provide a	4. Provide a
activity the patient	activity	comfortable position	comfortable position
needs is assisted by	3. Dyspnea after	Education	
the family.	moderate activity	Suggest doing	Suggest doing
Objective Data :	decreased	activities gradually	activities gradually
1. The client looks		6. Evidence Based	6. Back massage for
tired		Practice Do a back	10-15 minutes for 3
2. The client seems to		massage (Bambang, et	days with a frequency
just lie in bed		al. 2017)	of 1 x/day with the
3. Client activity			Efleurage technique
appears to be assisted			can reduce fatigue
by the family			scores (Nugraha BA, et
4. After doing			al. 2017)
activities such as going			
from bed to bathroom			

respiration : 26x/minute

5. Muscle strength

4 | 4

4 4

Implementation

Table 6. Implementation of Nursing

Nursing diagnoses	Tuesday, 30 May 2021	Wednesday, May 31	Thursday, June 1
		2021	2021
Activity Intolerance	07.00 WIB	07.15 WIB	07.15 WIB
related to Intolerance	Ask the client about	Ask the client about	Ask the client about
balance between	tolerance in activities	tolerance in activities	tolerance in activities
oxygen supply and	07.05 WIB	07.20 WIB	07.15 WIB
body demand .	Monitor physical	Monitor the client's	Monitor physical
	fatigue on client when	physical fatigue when	fatigue on client when
	getting out of bed,	getting out of bed,	getting out of bed,
	standing, and walking	standing, and walking	standing, and walking
	from bed to	from bed to bathroom	from bed to bathroom
	bathroom .	07.25 WIB	07.25 WIB
	07.10 WIB	Adjust lighting, limit	Adjust lighting, limit
	Adjust lighting, limit	visits to clients	visits to clients
	visits to clients	07.27 WIB	07.27 WIB
	07.15 WIB	Provide a comfortable	Provide a comfortable
	Provide a comfortable	position, namely the	position that is semi fowler
	position, namely the semi-Fowler's position	semi-Fowler's position 07.30 WIB	07.30 WIB
	07.17 WIB	Encourage clients to	Encourage clients to
	Encourage clients to	do activities gradually	do activities gradually
	do activities gradually	such as getting out of	such as getting out of
	such as getting out of	bed, sitting in bed	bed, sitting in bed
	bed, sitting in bed	07.35 WIB	07.35 WIB
	07.20 WIB	Providing back	Providing back
	Providing back	massage therapy and	massage therapy and
	massage therapy and	measuring fatigue	measuring fatigue
	measuring fatigue	scores	scores
	scores		

Evaluation

Table 7. Nursing Evaluation

Nursing diagnoses	Tuesday, 30 May 2021	Wednesday, May 31 2021	Thursday, June 1 2021
Activity intolerance related to an imbalance between oxygen supply and the body's needs.	subjective - The client says he still feels tired - The client says dyspnea after and when the activity is reduced objective - The client looks tired	subjective - The client says he still feels tired - The client says dyspnea after and when the activity is reduced objective	subjective - Clients say fatigue is reduced - The client says dyspnea after and when the activity is reduced objective - The client looks calm

- Reduced client	- Client fatigue sco
fatigue scores	reduced
- The frequency of	- The frequency of
breathing before	breathing before
doing the activity	doing the activity
25x/minute after	24x/minute after
doing the activity	doing the activity
29x/minute	28x/minute
Assessment	Assessment
- Problem not	- Problem partially
resolved	resolved
planning	planning
- Continue	- Continue
Intervention	intervention
Intervention	Intervention
- Ask the client about	- Ask the client abo
tolerance in activities	tolerance in activit
- Monitor physical	- Monitor the clien
fatigue on client when	physical fatigue wh
getting out of bed,	getting out of bed,
standing, and walking	standing, and walk
from bed to bathroom	from bed to bathro
- Provide a	- Provide a
comfortable position,	comfortable position
namely the semi-	namely the semi-
Fowler's position	Fowler's position
- Advise the client to	- Advise the client
do activities gradually	do activities gradua
such as, getting out of	such as, getting ou
bed, sitting in bed	bed, sitting in bed
- Providing back	- Providing back
massage therapy and	massage therapy a
measuring fatigue	measuring fatigue
scores	scores

- Clients look fresher Client fatigue scores educed - Clients seem more The frequency of comfortable reathing before - The frequency of breathing before oing the activity 4x/minute after doing the activity oing the activity 23x/minute after 8x/minute doing the activity ssessment 25x/minute Problem partially - Reduced client esolved fatigue scores lanning Assessment Continue - Problem partially ntervention resolved ntervention planning Ask the client about - Continue olerance in activities intervention Monitor the client's Intervention hysical fatigue when - Monitor physical fatigue on client when etting out of bed, tanding, and walking getting out of bed, rom bed to bathroom standing, and walking Provide a from bed to bathroom omfortable position, - Provide a amely the semicomfortable position, namely the semiowler's position Fowler's position Advise the client to o activities gradually - Advise the client to uch as, getting out of do activities gradually ed, sitting in bed such as, getting out of Providing back bed, sitting in bed nassage therapy and - Providing back

massage therapy and measuring fatigue

scores

Discussion

The author conducted a study on the 30 May 2021 and data obtained Mrs. T with complaints that the body feels tired easily, fatigue feels burdensome when the client does excessive activity and improves when rested. Fatigue always appears after doing activities. The client seems to just lie in bed and the activities the client needs are assisted by the family. In addition to getting tired easily, clients also say they feel shortness of breath after doing activities such as going from bed to the bathroom respiration: 26 x/minute.

This is in accordance with the theory put forward by Dewi et al., (2021) where in the patient *Congestive heart failure* generally experiences fatigue. Fatigue in patients with *Congestive heart failure* is caused by a lack of oxygen and nutrition for the tissues, and excessive carbon dioxide is formed resulting in anaerobic muscle metabolism and increased production of lactic acid which results in excessive fatigue. This description shows that one of

the problems of people with heart failure is activity intolerance. Activity intolerance is an intolerance sufficient psychological energy to maintain or complete activities of daily life that must or want to be done.

Physical examination showed that the client's data appeared weak, the state of compos mentis GCS: 15 E=4 M=6 V=5 , the client's blood pressure was 110/80 mmHg, pulse 102 ×/m, respiratory rate 26 ×/m, body temperature 36.6 °C. Oxygen saturation 93 %. There is no jugular vein distension, skin temperature feels warm, normal conjunctival capillary refill < 2 seconds, no added breath sounds . muscle strength

According to Theory (Aspiani, 2016) Supporting examinations that can be carried out in patients with Congestive Heart Failure namely radiology laboratory, EKG, and ultrasound of the heart. In this case the results of the Thorax X-ray The patient has cardiomegaly.

Based on the results of the study, it was found that the client's main complaint was fatigue. Clients also say there is shortness of breath after doing activities such as going from bed to the bathroom. so that the writer raised the diagnosis of activity intolerance cases related to inactivity balance between oxygen supply and demand. So that in this study there is no gap between case reports and theory.

Nursing diagnosis with activity intolerance disorder, namely, inactivity sufficient energy to carry out daily activities (SDKI, 2016). With major symptoms, subjective data complain of fatigue and objective data, the heart rate increases from resting conditions. Subjective minor symptoms of dyspnea during/after activity, feeling uncomfortable after activity, feeling weak.

The authors focus on the diagnosis of activity intolerance related to an imbalance between oxygen supply and demand. The problem of clients who experience fatigue needs to be handled optimally . So that this condition does not last continuously which will affect the quality of life of individuals.

Activity intolerance shows an imbalance between the supply and demand for oxygen to the client and if there is a more serious problem the client will experience intense tightness and hinder the fulfillment of oxygen supply in the body so that oxygen supply decreases. Reduced oxygen supply in the body will lead to cell death, hypoxemia and decreased consciousness can even cause death (Holy, 2018) .

Plans are written with plans and outcome criteria based on the Indonesian Nursing Intervention Standards (SIKI) and Indonesian Nursing Outcome Standards (SLKI). In the case of Mrs. T carried out a nursing action plan for 1 x 24 hours. The author plans to overcome the problem of activity intolerance on clients with the expected goals, namely the outcome criteria complaints of fatigue have decreased enough, dyspnea during activity has decreased sufficiently and dyspnea after activity has decreased sufficiently.

The intervention in this case is in accordance with the intervention of the diagnosis that the author has focused on, namely activity intolerance. With the Indonesian Nursing Intervention Standards (SIKI) that is done Identify tolerance in activities, Monitor physical

fatigue, Provide a comfortable environment and low stimulus, Provide a comfortable position, Suggest doing activities gradually. In this case, adding evidence-based practice relaxation therapy, namely doing back massage.

Massage is a relaxation technique that affects the body physically and psychologically. Back massage can stimulate parasympathetic receptors in the back area directly so that the client feels relaxed. In addition, with relaxation, it is hoped that blood vessels can dilate which will indirectly reduce the workload of the heart . Reducing the workload of the heart will have a positive impact on patients with congestive heart failure by providing an opportunity for the myocardium to relax . In this phase, circulation to systemic tissues will improve. Improved circulation will overcome the fatigue experienced with the record that the client is active according to his tolerance. (Nugraha et al., 2017) .

Back massage is done for 10-15 minutes for 3 days with a frequency of 1x/day with the Effleurag technique. e. Effleurag e is a massaging motion that is done rhythmically in an upward direction movements are carried out lightly and continuously . This massage has a relaxing effect and facilitates the flow of lymph and blood (Firdaus 2019) . Prior to back massage therapy, the authors measured the client's fatigue score using the FACIT (Functional Assessment Of Chronic Illness Therapy) questionnaire. The range of values in the FACIT questionnaire was between 0–40, where the higher the score, the better the quality of life. Value < 17 = severe, 18-30 moderate and 30-40 mild. (Wahyuni & Damanik, 2020) .

Based on the nursing implementation stage, efforts to realize the nursing action plan that has been determined, namely building a relationship of mutual trust is very important in this implementation stage, so that the implementation efforts or actions taken can be accepted as an effort to solve problems. Implementation by the author lasted for 3 days . The author carries out the implementation with plans that have been planned previously to meet the outcome criteria.

The action plan carried out by the author is identifying tolerance in activities, monitoring physical fatigue, providing a comfortable and low-stimulus environment, providing a comfortable position, advising to carry out activities in stages and adding evidence-based practice, namely doing back massages and measuring client fatigue scores with the FACIT (Functional Assessment of Chronic Illness Therapy) questionnaire.

The evaluation used is in the form of S (subjective), O (objective), A (analysis), P (planning) for analysis. The evaluation is carried out every day, namely using the SOAP evaluation evaluation after being given an intervention at the end of the service . Nursing evaluation of clients with activity intolerance associated with disuse the balance of oxygen supply to the body is showing the improvement and improvement of the client's health . After being given nursing intervention with SIKI: energy management and relaxation therapy back massage for 3 days showed signs signs with complaints of reduced fatigue , Dyspnea during activity and dyspnea after reduced activity , Feelings of fatigue are reduced . It seems that the client's condition has improved and looks fresher and more comfortable. The client's fatigue score also increased, the fatigue score on the first day was 29 (moderate), the fatigue score on the second day was 31 (mild), and the third day's fatigue score was 34 (mild) .

Conclusion

Assessments conducted on clients obtained subjective and objective data. Based on the results of the study, the patient found a complaint the body feels tired easily, fatigue feels burdensome when the client does excessive activity and improves when rested. Fatigue always appears after doing activities. The client seems to just lie in bed and the activities the client needs are assisted by the family. Apart from being tired, the client also says that it is shortness of breath after doing activities such as going from bed to the bathroom respiration: 26 x/minute.

The diagnosis based on the author's assessment that occurs in cases is activity intolerance related to an imbalance between oxygen supply and demand. Activity intolerance is a common diagnosis in complaints with *Congestive heart failure*.

Nursing care planning for clients with activity intolerance diagnoses is related to an imbalance between oxygen supply and demand Nursing planning refers to and originates from SLKI and SLKI namely (Energy Management I.050178) it is expected that Activity Tolerance increases (L.05047) with indicators of outcome criteria: Decreased complaints of fatigue, Dyspnea when activity decreases, Dyspnea after decreased activity and adding Evidence Based Nursing, namely back massage therapy and measuring client fatigue scores with the FACIT (Functional Assessment Of Chronic Illness Therapy) questionnaire.

Implementation is given to clients for 3 days in accordance with a pre-planned plan, namely identifying tolerance in activities, monitoring physical fatigue, providing a comfortable and low-stimulus environment, providing a comfortable position, recommending gradual activity. Evidence Based Nursing (EBN) that is given is relaxation therapy back massage and measure the client's fatigue score with the FACIT (Functional Assessment Of Chronic Illness Therapy) questionnaire.

After being given an intervention for 3 days, the evaluation showed a change in the client's activity tolerance, marked by an increased tolerance level with signs showing no fatigue complaints, no dyspnea during activity, no dyspnea after activity, no feeling of weakness, the patient appears to be in an improved condition looking more comfortable and the client's fatigue score has increased.

Acknowledgments

The realization of this thesis is inseparable from the help and support morally and materially from various parties. Therefore, on this occasion, allow the author to express his sincere gratitude and appreciation to the client and his family and all those who have helped with this writing.

Bibliography

1. Dewi, D. S., Asmawati, A., Wijaya, A. S., & Heriyanto, H. (2021). Asuhan Keperawatan Gangguan Pemenuhan Intoleransi Aktivitas Pada Pasien Penyakit Congestive Heart Failure (Chf) Di Ruang Iccu Rsud Dr. M. Yunus Bengkulu Tahun 2021. Poltekkes

- Kemenkes Bengkulu.
- 2. Firdaus, J. (2019). *Penatalaksanaan Fisioterapi Pada Kasus De Quervain Syndrome Dengan Massage Dan Metode Neuromuscular Taping (Nmt).* Universitas Muhammadiyah Gresik.
- 3. Hanifah, W., Oktavia, W. S., & Nisa, H. (2021). Faktor Gaya Hidup Dan Penyakit Jantung Koroner: Review Sistematik Pada Orang Dewasa Di Indonesia.
- 4. Kurniawan, M. A. A., Fitri, N. L., & Nurhayati, S. (2021). Penerapan Massage Punggung Terhadap Skor Kelelahan Pasien Gagal Jantung Di Ruang Jantung Rsud Jend. Ahmad Yani Kota Metro Tahun 2021. *Jurnal Cendikia Muda*, 2(3), 331–340.
- 5. Nugraha, B. A., Fatimah, S., & Kurniawan, T. (2017). Pengaruh Pijat Punggung Terhadap Skor Kelelahan Pasien Gagal Jantung. *Jurnal Keperawatan Padjadjaran*, *5*(1).
- 6. Putri, E. A. H. (2019). Asuhan Keperawatan Pada Pasien Congestive Heart Failure Dengan Masalah Keperawatan Intoleransi Aktivitas Di Rumah Sakit Panti Waluya Sawahan Malang. Stikes Panti Waluya Malang.
- 7. Rachmawati, F. E., Satiadarma, M. P., & Chris, A. (2021). Penggunaan Terapi Musik Untuk Menurunkan Kelelahan Akibat Pengobatan Pada Pasien Kanker Serviks: Studi Kasus. *Jurnal Muara Ilmu Sosial, Humaniora, Dan Seni*, *5*(2), 311–316.
- 8. Setianingsih, M. P., & Hastuti, Y. D. (2021). Kelelahan Pada Pasien Congestive Heart Failure. *Holistic Nursing And Health Science*, *5*(2), 34–43.
- 9. Wahyuni, N. S., & Damanik, C. (2020). Pengukuran Respon Kelelahan Menggunakan Facit Score Pada Pasien Jantung Yang Mendapatkan Perawatan Di Ruang Intensif. *Jurnal Keperawatan Wiyata*, 1(1), 21–30.