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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : JURNAL ILMIAH**

Judul Karya Ilmiah (Artikel) : Sexual satisfaction of Indonesian women with breast cancer in Central Java, Indonesia.

Jumlah Penulis : 2 Orang
Status Pengusul : Penulis pertama

Identitas Jurnal Ilmiah :

a. Nama Jurnal : Bali Medical Journal (Bali Med J)
b. Nomor ISSN : P-ISSN.2089-1180, E-ISSN: 2302-2914
c. Vol, Nomor, halaman : Volume 10, Number 1, p: 53-57
d. Edisi : 2021
e. Penerbit : Bali Medical Journal
g. DOI artikel (jika ada) : 10.15562/bmj.v10i1.2119
h. Alamat web jurnal :

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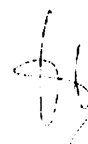
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- Kecukupan dan kemutahiran data/informasi dan metodologi: Metode deskriptif dengan hanya menggunakan kuesioner sehingga kemungkinan ada hal hal yang tidak terdeteksi mengingat budaya wanita Indonesia yang agak tertutup tentang masalah sex. Anjuran: dikombinasikan dengan penelitian kualitatif
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Bidang ilmu : Ilmu Kedokteran
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- c. Kecukupan dan kemutahiran data/informasi dan metodologi: Metode diuraikan kurang lengkap. Tidak disampaikan detail instrument seperti bagaimana membuat, validasinya, interpretasinya, juga analisis statistic meskipun hanya deskripsi.
- d. Kelengkapan unsur dan kualitas terbitan/ jurnal: Bali medical journal merupakan jurnal terindex scopus namun belum mempunyai SJR. Sebagai koresponden perlu menampilkan bukti karena srtikel history tidak dapat dilihat revisi manuscript (Received: 2020-12-18 Accepted: 2021-01-20 Published: 2021-02-21)

Semarang,
Reviewer 2



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Sexual satisfaction of Indonesian women with breast cancer in central Java, Indonesia

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Abstract

Background: The negative impact of breast cancer diagnosis on the sexuality of women patients is well-known. Sexual dissatisfaction arises from the disruption of physical appearance by the tumor or as a result of both operative or non-operative treatments. This study aimed to describe the perception of sexuality and its quality of breast cancer in Indonesian women.

Methods: This descriptive study recruited women diagnosed with breast cancer that have undergone chemotherapy, radiotherapy, and surgery, either in singular, combination, or no treatment at all. The sexuality was assessed using the Indonesian version of the Sexual Satisfaction Questionnaire (SEXSAT-Q).

Results: A total of 113 female breast cancer patients ranging from 20 to 71 years old participated in the study. The majority of respondents were clinically diagnosed with stage II (36.2%) or higher (54.9%). Most patients underwent surgery (91.1%) and chemotherapy (85.8%). Before the diagnosis of cancer, the level of sexual satisfaction was good on average, which remained stagnant for 64 (56.6%) participants during cancer treatment. Significant anxiety and distress were reported by 35 patients (31.0%), depression by 21 patients (18.6%), and tiredness by 48 patients (42.5%).

Conclusion: The sexual satisfaction of women with breast cancer patients in our study group is average on general, prior or after cancer diagnosis. However, the treatment's negative psychological impact is quite profound, affecting almost half of the study participants. © 2021, Sanglah General Hospital. All rights reserved.

Author keywords

Breast cancer; Oncology; Sexual satisfaction; Sexuality

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Mean pulmonary artery diameter in chest CT scan in the Thai population

Sitang Nirattisaikul Nuttapat Sunpech Keerati Hongsakul

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Vitamin D Receptor (VDR) Apa1 gene polymorphism increasing the risk of breast cancer women in Bali, Indonesia

I Putu Gede Fajar Mahayasa I Ketut Widiana Putu Anda Tusta Adiputra I Wayan Sudarsa

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Functional assessment of operative and non-operative management in major pelvic fracture at Dr. Moewardi Hospital, Surakarta, Indonesia

Udi Heru Nefihancoro Muhamad Muamar Muhammad David Perdana Putra

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Liver resection profile in Prof. dr. R.D. Kandou General Hospital: 1-year experience

Michael Iskandar Michael Tendean Toar Deliezer Bram Mambu Ferdinand Tjandra Jimmy Panelewen Celine Martino

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Sexual satisfaction of Indonesian women with breast cancer in Central Java, Indonesia

Yan Wisnu Prajoko Tommy Supit

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Fractional erbium: YSGG laser compared to the combination of fractional erbium: YSGG laser and topical autologous platelet-rich plasma for treatment of atrophic acne scars: a case report

Prasetyadi Mawardi Adniana Nareswari

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The role of cholelithiasis risk factors in stone types in cholelithiasis patients at Universitas Sumatera Utara Hospital

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Characteristics of non-genital warts in the dermatovenereology department of Mangusada Badung General Hospital during in 2019

Efbri Chauresia Dalitan Anak Agung Ari Agung Kayika Silayukti

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Intracranial stenosis in patients with post-ischemic stroke: a case-control study Rizaldy Pinzon1, Andre Dharmawan Wijono1

Rizaldy Pinzon Andre Dharmawan Wijono

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DNA barcoding in molecular identification and phylogenetic relationship of beneficial wild Balinese red algae, *Bulung sangu* (*Gracilaria* sp.)

I Gede Putu Wirawan Maria Malida Vernandes Sasadara I Nyoman Wijaya Anak Agung Keswari Krinandika

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Correlation of CD44 and CD24 expression with the positive response after neoadjuvant chemotherapy in stage IIIB breast cancer patient at Dr. Saiful Anwar Hospital, Malang, Indonesia

Muhammad Bachtiar Budianto Artono Isharanto Andry Haris

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Patients' characteristics following reoperation after Modified Blalock-Taussig Shunt (MBTS) in Cardiac Centre National General Hospital Cipto Mangunkusumo from 2018-2020

Suprayitno Wardoyo Joshua Parsaoran Partogi Pardede Hari Agung Asari

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Melatonin prevented the increased serum lactate levels and the reduced hemoglobin levels in burn-induced Wistar rats



Graciela Dhea¹, Sulistiyati Bayu Utamia², Faizah Fulyania³, Erwin Kresnoadia⁴,
Satrio Adi Wicaksono^{4*}

ABSTRACT

Background: Burns are the most common and devastating form of trauma yet constitute a common cause of morbidity worldwide. Complications of burns such as sepsis and tissue hypoperfusion may increase serum lactate and reduce hemoglobin. Measuring lactate levels has been proven to be a useful predictive marker of hypoperfusion and sepsis in patients with burns. Melatonin which acts as an anti-inflammatory and antioxidant, has been proposed to be used as pharmacological adjuvant in patients with burns, reducing oxidative damage. The study aims to investigate the effects of melatonin supplementation on serum lactate and hemoglobin levels in burn-induced male Wistar rats.

Method: This was an experimental animal study with randomized control group design. All samples (n=12 male Wistar rats) were randomized and divided into two groups. Each rat was exposed to a hot metal rod for 10 seconds to induce 30% burns injury. Rats in the control group were administered with placebo (aquadest), while rats in the experimental group were administered with melatonin intraperitoneally at 0, 8, and 16 hours after burns injury. Blood samples were collected from the retro-orbital sinuses at 0, 3, and 24 hours after treatment. Data were statistically analyzed using Paired *t*-Test, Independent *t*-Test Mann-Whitney Rank Test and Wilcoxon test.

Results: There were no significant differences in lactate and hemoglobin levels between melatonin group and control group 0 hours after treatment (T0), 3 hours after treatment (T3), and 24 hours after treatment (T24) ($p > 0.05$). There were increased lactate levels and decreased hemoglobin levels in both melatonin and control groups, however the increment of lactate and the decrement of hemoglobin were steeper in control group compared to melatonin group. There were higher serum lactate increments and higher hemoglobin decrement at 24 hours ($\Delta T0-T24$) in control compared to melatonin group ($p < 0.05$).

Conclusion: Melatonin might prevent dramatic rise of serum lactate levels and decrease of hemoglobin levels until 24 hours after treatment in burns injury. If confirmed by further studies, melatonin might have a role as adjuvant therapy in burns.

Keywords: burns injury, serum lactate level, hemoglobin, melatonin.

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INTRODUCTION

Burn is one of the most common and devastating forms of trauma and is often encountered in everyday life.¹ Compared to other wounds, the morbidity and degree of disability caused by burns was quite serious, as well as its expensive management.¹ There were approximately 2.5 million people affected by burns in the United States each year, in whom 200,000 patients required outpatient care, 100,000 patients were hospitalized, and about 12,000 died each year.² In Indonesia, the prevalence of burns were 0.7%, in which the most injury occurred was in 1-4 years

age group.³

Burns can be caused by high temperatures, chemicals, electric shock, and radiation. Burns can be classified based on the degree of severity, namely: first degree burns, second-degree burns, and third-degree burns. In burns, damage to the epidermis, dermis and subcutaneous tissue can occur, depending on the causative factor and the length of time the skin is exposed to heat sources. The longer the skin is exposed to the heat source, the deeper or heavier the burn will be.² Severe burns can trigger an immunocompromised state, increasing the occurrence of complications such as sepsis

infection and dehydration.¹ Therefore burns managements care including fluid therapy to prevent dehydration, maintenance of average body temperature, infection and sepsis prevention, and pain relieve.^{1,2}

Lactate is the product of cellular anaerobic metabolism through the anaerobic glycolysis pathway caused by oxygen deprivation or tissue hypoxia. Lactate is the final product of glucose metabolism that is normally produced 1400 mmol/L daily.^{4,5} Lactate acid levels can be used as a biomarker to determine the prognosis of burns.⁶ Lactate was recognized as an early predictor of

Mean pulmonary artery diameter in chest CT scan in the Thai population



Sitang Nirattisaikul^{1*}, Nuttapat Sunpech¹, Keerati Hongsakul¹

ABSTRACT

Introduction: Pulmonary hypertension has been associated with a significant increase in morbidity and mortality. The pulmonary artery diameter measurement from a CT scan is routinely used to predict possible evidence of pulmonary hypertension. However, no data available as a reference for the normal range, especially in the Thai Population. The primary purpose of this study was to determine the normal diameter of the main pulmonary artery (MPA) and ascending aorta (AAo) and the ratio between MPA and AAo diameter in the Thai population.

Methods: Patients who met the inclusion criteria and had a chest CT performed in Songklanagarind hospital between 1 January 2014 and 14 July 2014 were enrolled. Measurement of the MPA diameter at the level of its bifurcation and the AAo from an axial-view contrast-enhanced CT chest (venous phase) image was done. The ratio between the diameter of MPA and AAo was then calculated.

Results: 2395 patients were included in this study (male = 1271 patients, female = 1124 patients, aged between 20-96 years; mean = 57 years old). The mean diameter of the MPA was 25.21 mm, and the mean diameter of the AAo was 30.78 mm. The mean MPA/ AAo ratio was 0.83. The sex-specific mean diameters of the MPA were 25.4 mm in men and 25.0 mm in women. The mean diameters of the AAo in men and women were 31 mm and 30 mm, respectively.

Conclusion: The mean MPA diameter obtained from chest CT scans in this study was about 25.4 mm in men and 25.0 mm in women. These values are easily obtained from chest CT scans and are highly reproducible. Therefore, it may be used as a reference value for a healthy Thai population.

Keywords: Pulmonary artery, diameter, Thai population.

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INTRODUCTION

Pulmonary hypertension has been associated with a significant increase in morbidity and mortality.¹ It is involved in many clinical conditions and can complicate many cardiovascular and respiratory diseases.²

Pulmonary hypertension is caused by several diseases, including long-standing cardiac left-to-right shunts due to congenital anomalies, chronic thromboembolic pulmonary diseases, tumour emboli, parasitic emboli, talc crystals and other foreign material deposits, human immunodeficiency virus (HIV), liver diseases, pulmonary vasculitis, chronic alveolar hypoxia due to chronic obstructive pulmonary disease, and chronic interstitial lung

disease.³ Many factors may affect the main pulmonary artery diameter such as sex, age, and underlying disease.^{3,4} An enlarged main pulmonary artery (MPA) is strongly related to pulmonary hypertension as a result of adaptation to the increased pulmonary pressure and vascular resistance.^{1,5}

The gold standard for diagnosing pulmonary hypertension is catheterization of the right side of the heart, but it is an invasive procedure and carries risks of morbidity and mortality. Other diagnostic methods include electrocardiography, chest radiography, pulmonary function tests and arterial blood gas, echocardiography, ventilation/perfusion lung scans, high-resolution computed tomography(HRCT)/contrast-enhanced computed tomography (CT), pulmonary

angiography, cardiac magnetic resonance imaging (MRI), blood and immunology tests, abdominal ultrasonography, and genetic testing.^{6,7,8,9,10,11} Several studies have shown that CT is an effective non-invasive method of predicting the presence of pulmonary hypertension by evaluating the relationship between pulmonary artery diameter and pulmonary hypertension.^{1,4,12}

The pulmonary artery diameter measurement from a CT scan is routinely used to predict possible evidence of pulmonary hypertension.^{1,5,12} However, to date, no study has been performed to determine the normal range of the MPA diameter in the Thai population. This study aimed to determine the normal diameter of the MPA, AAo, as well as the ratio between the diameter of the MPA