



Simposium
Konferensi Kerja
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PAPDI XIII
2014

NASKAH LENGKAP

Clinical Update in Internal Medicine
"From Basic to Clinical Practice"

**Peran PAPDI dalam Menghadapi
Era "Jaminan Kesehatan Nasional
(JKN) 2014" dan "ASEAN Economic
Community (AEC) 2015"**

**Hotel Sheraton Mustika Yogyakarta
29 - 30 November 2014**

Editor :
Nyoman Kertia
Budi Yuli Setianto
Johan Kurnianda
Putut Bayupurnama
Ika Prasetya Wijaya

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DAFTAR ISI

Halaman Judul	
Sambutan Ketua Umum PB. PAPDI	i
Sambutan Ketua PAPDI Yogyakarta	ii
Kata Pengantar Sie Ilmiah Konferensi Kerja Nasional PAPDI XIII 2014	iii
Susunan Kepanitiaan	iv
Jadwal Acara Ilmiah	v
Daftar Isi	vii

KUMPULAN MAKALAH LENGKAP

PRACTICAL CONSIDERATION OF USAGE OF INSULIN DETEMIR IN DAILY PRACTICE	1
<i>Karel Pandelaki</i>	
REACHING GLYCAEMIC TARGET WITH SIMPLE PREMIX INSULIN	5
<i>R. Bowo Pramono, Harli Amir</i>	
TARGETED THERAPIES FOR LUNG CANCER	8
<i>Eko Budiono</i>	
TATA LAKSANA GANGGUAN CEMAS MENYELURUH	14
<i>Agus Siswanto & Noor Asyiqah Sofia</i>	
UNDERSTANDING OF LIVER CIRRHOSIS AND ITS COMPLICATION	19
<i>Putut Bayupurnama</i>	
NEW GUIDELINE ON MANAGEMENT OF HEPATIC ENCEPHALOPATHY	20
<i>Irsan Hasan</i>	
LOLA IN LIVER CIRRHOSIS PATIENT – WHEN THE THERAPY SHOULD BE	24
<i>Muhammad Begawan Bestari</i>	
SITAGLIPTIN IN THE TREATMENT OF TYPE 2 DIABETES	32
<i>R. Bowo Pramono, Luthfan Budi Purnomo</i>	

CURRENT UPDATE ON HEPATIC ENCEPHALOPATHY IN CHRONIC LIVER DISEASE	123
<i>Neneng Ratnasari</i>	

**KUMPULAN MAKALAH ABSTRAK KARYA NASIONAL
PRESENTASI ORAL**

KORELASI KADAR LAMININ DAN KOLAGEN TIPE IV DENGAN NILAI KEKAKUAN HATI PADA FIBROSIS HATI	129
<i>Muthmainnah, Vidi Orba Busro, A. Fuad Bakry</i>	
HUBUNGAN ANTARA SKOR <i>REFLUX SEVERITY INDEX</i> (RSI) DAN <i>GASTROESOPHAGEAL REFLUX DISEASE</i> (GERD) PADA PASIEN YANG MENJALANI ESOFAGOGASTRODUODENOSKOPI DI RSUP DR. SARDJITO, YOGYAKARTA	130
<i>Yulia Wardhani, Neneng Ratnasari</i>	
HUBUNGAN KADAR INTERLEUKIN-1β DAN HITUNG NETROFIL DENGAN INTENSITAS NYERI PADA SUBJEK GOUT	131
<i>Y Muliawati, J Ongkowijaya, A.M.C. Karema-Kaparang</i>	
IDENTIFIKASI FAKTOR-FAKTOR YANG MEMPENGARUHI LAMA RAWAT INAP PADA PASIEN DENGAN COMMUNITY ACQUIRED PNEUMONIA DI RSUP DR. SARDJITO YOGYAKARTA	132
<i>Wulan Sari, Eko Budiono</i>	
BESARAN RISIKO EFEK SAMPING PEMBERIAN IMATINIB PADA PASIEN LEUKEMIA GRANULOSITIK KRONIK DENGAN BCR ABL POSITIF DAN HUBUNGANNYA DENGAN USIA	133
<i>Haryadi, Harlinda H, L.W.A Rotty</i>	
HUBUNGAN TEKanan DARAH PADA DIALISER SINGLE USED DIBANDINGKAN DENGAN DIALISER REUSED	134
<i>Dwita Dyah Adyarini, Bambang Djarwoto, Iri Kuswadi</i>	
METABOLIC SYNDROME PROFILE IN PATIENTS WITH STABLE ISCHEMIC HEART DISEASE AT JADE CARDIOVASCULAR CLINIC MANADO	135
<i>Starry H Rampengan</i>	
HUBUNGAN ANTARA SKOR GerdQ DAN GAMBARAN ENDOSKOPI PASIEN GERD YANG MENJALANI ESOFAGOGASTRODUODENOSKOPI DI RSUP DR. SARDJITO- YOGYAKARTA	136
<i>Herman, Neneng Ratnasari</i>	

PREVALENCE AND CORRELATION OF METABOLIC SYNDROME IN ACUTE MYOCARDIAL INFARCTION OF YOUNG ADULTS IN JADE CARDIOVASCULAR CLINIC	197
<i>Starry Homenta Rampengan</i>	
SEORANG PENDERITA DENGAN WEIL'S DISEASE	198
<i>Jemi Tubung, Made Susila Utama</i>	
PERBANDINGAN KADAR HEMOGLOBIN PADA DIALIZER SINGLE USED DENGAN DIALIZER REUSED	199
<i>Vici Yudiar, Iri Kuswadi</i>	
SEORANG PASIEN DENGAN SPLENOMEGALI MASIF	200
<i>I GP Jarwa Antara, Ketut Suega.</i>	
PREVALENSI KEJADIAN DISLIPIDEMIA PADA PASIEN YANG MENJALANI COMPLETE GERIATRIC ASSESSMENT DI POLIKLINIK GERIATRI RSUP DR. SARDJITO YOGYAKARTA PERIODE TAHUN 2010 – 2014	201
<i>Demas Androniko, Probosuseno</i>	
TOTAL KOLESTEROL DAN LDL KOLESTEROL TERHADAP TINGKAT KOMPLEKSITAS LESI KORONER YANG DIHITUNG DENGAN SYNTAX SCORE	202
<i>Budi AP, Dinarti, LK. Taufiq, N.</i>	
PERBANDINGAN PROSEDUR, WAKTU PROSES, WAKTU KONSULTASI, DAN PEMBIAYAAN SEBELUM DAN SESUDAH RUMAH SEHAT LANSIA (RUSELA) KOTAMADYA YOGYAKARTA, DIY	203
<i>Endro Tanoyo, Probosuseno</i>	
24-YEAR-OLD FEMALE WITH G1P0A0 ATERM PREGNANCY AND FACTOR XII DEFICIENCY	204
<i>Rony Kendyartanto, Mika Lumban Tobing</i>	
AGRANULOCYTOSIS IN HYPERTHYROID PATIENT WITH THYROID STORM A CASE REPORT	205
<i>Munirulanam, Purnomo LB, Ikhsan MR, Pramono RB, Sinorita H</i>	
SEORANG PENDERITA DENGAN MIKOSIS FUNGOIDES	206
<i>I Putu Denny M, Tjok. Gede Dharmayuda, Renny A. Rena, Losen Adnyana, Ketut Suega, I Made Bakta</i>	
HUBUNGAN ANTARA TESTIMED UP AND GO (TUG) DENGAN JATUH PADA WANITA LANJUT USIA DI POSYANDU LANSIA KECAMATAN KALASAN KABUPATEN SLEMAN	207
<i>Joyo Santoso, I Dewa Putu Pramantara, Probosuseno</i>	
EFEK USIA TERHADAP RESPON IMUNOLOGIS VAKSINASI HEPATITIS B	208
<i>Rizka Humardewayanti Asdie, Neneng Ratna Sari, Suharyanto, Endang Suparniati</i>	

PREVALENCE AND CORRELATION OF METABOLIC SYNDROME IN ACUTE MYOCARDIAL INFARCTION OF YOUNG ADULTS IN JADE CARDIOVASCULAR CLINIC

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ABSTRACT

Background. The correlation between Metabolic Syndrome and Acute Myocardial Infarction (AMI) has not yet been studied in Jade Cardiovascular Clinic, especially at young Adults. In a population-based sample of patients with AMI, we sought to determine the prevalence of metabolic syndrome in patients with AMI and to assess the relative influence of each of the components of the National Cholesterol Education Program (NCEP) Adult Treatment (ATP) III definition of metabolic syndrome on the incidence of Myocardial Infarction.

Method. A total of 411 patients unselected, consecutive patients hospitalized with AMI between Januari 2009 - June 2014 were categorized according to the NCEP ATP III metabolic syndrome criteria (presence 3 of the following, hyperglycemia; triglyceride level > 150 mg/dL (≥ 1.7 mmol/L); high-density lipoprotein cholesterol level < 40 mg/dL (1.04 mmol/L) in men and < 50 mg/dL (1.30 mmol/L) in women; blood pressure > 130/85 mmHg; and waist circumference > 120 cm in men or > 88 cm in women). We did simple random sampling and we got the number of sample of 75.

Results. Among the 411 patients who fulfilled the criteria for metabolic syndrome, we analyzed 75 patients. Patients with metabolic syndrome were more likely to be men (73.8%). We found that high triglyceride level percentage was about 49.33%, low HDL level about 72%, and elevated blood pressure about 37.33%. In these metabolic syndrome patients, we found the incidence of NSTEMI were 22.66%, Recent MCI were 10.66%, and acute STEMI were 66.66%.

Conclusion. Low HDL level is still the major component for the incidence of Myocardial Infarction onset at young adults.

Keywords: Metabolic Syndrome, acute myocardial infarction, younger age, predictor