10th Continuing Professional Development (CPD) Series:

‘Diabetes Asia 2011’ Conference

October 5 – 9, 2011
Kuala Lumpur, Malaysia

Conference Venue
Sunway Resort Hotel & SPA Convention Centre
Bandar Sunway, 46150 Petaling Jaya
Selangor Darul Ehsan, Malaysia

Organised By
NATIONAL DIABETES INSTITUTE
CENTRE OF EXCELLENCE DEDICATED TO DIABETICS

ENDORSED BY

Secretariat ‘Diabetes Asia 2011’ Conference
National Diabetes Institute (NADI)
No. 1 Jalan SS 3/50, 47300 Petaling Jaya, Selangor, MALAYSIA
Tel: +603-7876 1676 / 7876 1677 Fax: +603-7876 1679

CONFERENCE AWARDS

"Young Investigators Award"

"Oral Presentation Award"

"Poster Presentation Award"

Main Sponsor

pharma niaga
POSTER PRESENTATION

6th – 8th October 2010 (Thursday - Saturday)
0930 – 1000  -  Coffee Break
1200 – 1400  -  Lunch Break
1600 – 1630  -  Tea Break
Venue: Foyer, Sunway Pyramid Convention Centre

POSTER NO. 18

SERUM ADIPOSECTIN STATUS AMONG METABOLIC SYNDROME
IN KUANTAN, PAHANG

Mohd. Aznan MA\textsuperscript{1}, Samsul D\textsuperscript{1}, Nor Zamzila A\textsuperscript{1}, Razman MR\textsuperscript{1}, Muhammad Muzaffar AKK\textsuperscript{2}
\textsuperscript{1}Kulliyyah of Medicine
\textsuperscript{2}Kulliyyah of Allied Health Science
International Islamic University Malaysia

ABSTRACT

Background: Adiponectin is a collagen-like circulating protein secreted by adipocytes. Several studies have demonstrated that low adiponectin also has strong association with metabolic syndrome and its components such as obesity, insulin resistance, type 2 diabetes, dyslipidemia and coronary artery disease.

Objective: To determine and compare the level of serum adiponectin between metabolic syndrome and non-metabolic syndrome subjects.

Method: A cross-sectional comparative study was carried out among 76 participants of metabolic syndrome and 76 participants of non metabolic syndrome based on IDF criteria. This study was held at three primary care clinics and two villages in Kuantan, Pahang from 1\textsuperscript{st} March to 30\textsuperscript{th} September 2009.

Results: The majority of respondents were Malay (88.8\%) and female (57.9\%) adult with mean age of 51 years old. Most of them are non-smoker (77.6\%), hypertensive (51\%) and diabetic (46.4\%) with mean waist circumference of 88.5 cm and mean weight of 66.6 kg. The metabolic syndrome group had a significantly lower adiponectin concentration than non-metabolic syndrome group (mean: 11.64 ug/ml vs 13.21 ug/ml; P<0.05).

Conclusion: Hypoadiponectinemia was significantly associated with metabolic syndrome in Kuantan, Pahang.

Keywords: Serum Adiponectin, Metabolic Syndrome

Authors:
1. Assoc Prof Dr Mohd Aznan Md Aris
2. Assoc Prof Dr Samsul Draman
3. Dr Nor Zamzila Abdullah
4. Dr Razman Mohd Rus
5. Dr Muhammad Muzaffar Ali Khan Khattak

Email: draznan@yahoo.com