Does food addiction heighten the propensity towards obesity in schizophrenia?

N Pai
*University of Wollongong, nagesh@uow.edu.au*

S I. Vella
*University of Wollongong, suev@uow.edu.au*

Publication Details
Pai, N. & Vella, S. I. (2013). Does food addiction heighten the propensity towards obesity in schizophrenia?. 15th ISAM Annual Meeting: Managing Addiction through Evidence-Based Medical and Psychosocial Interventions (pp. 69-69). Malaysia: ISAM.
Does food addiction heighten the propensity towards obesity in schizophrenia?

Abstract
Abstract of poster that presented at the 15th ISAM Annual Meeting: Managing Addiction through Evidence-Based Medical and Psychosocial Interventions, 21-23 November 2013, Kuala Lumpur, Malaysia.

Keywords
towards, obesity, schizophrenia, addiction, food, does, propensity, heighten

Disciplines
Medicine and Health Sciences | Social and Behavioral Sciences

Publication Details
Pai, N. & Vella, S. I. (2013). Does food addiction heighten the propensity towards obesity in schizophrenia?. 15th ISAM Annual Meeting: Managing Addiction through Evidence-Based Medical and Psychosocial Interventions (pp. 69-69). Malaysia: ISAM.
Managing Addiction through Evidence-Based Medical and Psychosocial Interventions

Inaugurated by;
The Deputy Minister of Home Affairs, Malaysia

21st-23rd November 2013
Telecom Malaysia (TM) Convention Centre (TMCC)
Kuala Lumpur, Malaysia
International Society of Addiction Medicine (ISAM) Annual Meeting is a venue for delegates at various levels and specialties to share up to date knowledge in addiction. The exchange of knowledge promotes a better understanding in all aspects of addiction as a medical illness. Evidence based approach in treating those patients with this illness will help in delivering comprehensive treatment in managing problems related to addiction.

The annual meeting will also promote networking between individuals, institutions and countries. Good networking between peoples, agencies and nations will lead to the thriving of field of addiction. Collaboration from the development of research up to the delivering of service is crucial in ensuring our patients will receive the best treatment of their addiction related problem.

This meeting will also address the issues of co-morbidities in addiction. It is well known that most of patients with addiction problems also present with medical co-morbidities such as HIV, hepatitis and other psychiatric illnesses. Therefore, medical professionals from specialties such as psychiatry, infectious diseases, internal medicine and others will also participate in this meeting to ensure comprehensive treatment can be provided to our patients. Other aspects that are also important for conducive medical treatment will also be discussed in this meeting. These include psychosocial, legal and human right point of views in dealing with our patients. Therefore this meeting will gather delegates and speakers from various aspects of addiction issues.

This meeting will subsequently open opportunities for the delegates to improve their knowledge and new perspectives and opportunities in dealing with problems related to addiction. The improvement of the knowledge will then allow evidence based treatment to be promoted whereby the best outcomes can be achieved.
Introduction ........................................................................................................... i

Welcome Notes
   i) Vice Chancellor, University Malaya ..................... 1
   ii) ISAM President ......................................................... 2
   iii) Chairman of Local Organizing Committee .......... 3

Committee Members ........................................................................................... 4

Opening Ceremony Agenda .................................................................................. 5

Networking Events ............................................................................................... 6

Scientific Programme Description ....................................................................... 7

Pre Conference Workshop .................................................................................. 8

Conference Programme ...................................................................................... 10

Plenary Lectures .................................................................................................. 16

Symposia ............................................................................................................... 21

Poster presentation .............................................................................................. 59

Conference Venue ............................................................................................... 85

Telecom Malaysia (TM) Convention Center Map .............................................. 86

Floor Plan ............................................................................................................ 87

Organiser and Sub-Organiser .............................................................................. 88

Sponsorship and Exhibition ................................................................................. 89

Acknowledgement ............................................................................................... 91
WELCOME NOTE

UM.C/850/1
30 September 2013

MESSAGE FROM THE VICE CHANCELLOR
OF THE UNIVERSITY OF MALAYA

Assalamualaikum Warahmatullahi Wabarakatuh.
Happy Greeting to all respectful delegates. Welcome to Kuala Lumpur!

University of Malaya is very proud to be the main organiser for the 15th International Society of Addiction Medicine (ISAM) Annual Meeting and for the first time it is held in Asia Pacific region. This will definitely importance in dealing with addiction issues including its health, social, legal and economic consequences in Malaysia and this region, and also to the rests of the world. I understood this conference emphasise various types of addiction such as illicit and prescribed drugs addictions, alcohol and also behavioural addictions such as gambling, internet and gaming addiction. It also covers biological, medical, psychosocial, legal and psychospirtual aspects of addiction. I am confident this conference will significantly contribute to the future direction of minimising impacts of addiction toward community.

This conference is co-organised with other agencies, namely governmental and non-governmental ones, from in and outside Malaysia. There are distinguished speakers in the field of addiction as well as respectful delegates from more than 20 countries who attends this meeting. This is one of the roles of university to enhance the networking among experts in the field.

I would also like to encourage delegates to enjoy the serenity of Malaysia. You can take this opportunity to feel the hospitality and beauty of interesting places in Malaysia.

Finally, I would like to congratulate University of Malaya Centre of Addiction Science (UMCAS) and the Local Organising Committee and Working Committee for successfully organising this highly scientific conference. I hope this conference will be a successful one and will help to inform the community about latest development in addiction. I wish all of you, happy conferencing!!

Thank you. Terima kasih.

GHAUTH JASMON
Vice Chancellor

15th Annual Meeting 2013
Dear Colleagues and friends,

This year ISAM’s 15th Annual Meeting will convene in Kuala Lumpur, Malaysia, under the theme of *Managing Addiction through Evidence-Based Medical & Psychosocial Interventions*.

Organizers include the University Malaya, the National Anti-Drug Agency of Malaysia, the Ministry of Health of Malaysia, the Malaysian AIDS Council, the Department of Prison of Malaysia, and the University of Malaya Centre of Addiction Sciences (UMCAS).

As per previous ISAM meetings, the annual meeting will be a unique opportunity for social interaction and networking among colleagues, as well as giving rise to a forum conducive to sharing of information in the field. The highlights for the 2013 Annual Meeting will offer a special time to share and enjoy the beauty and hospitality of Malaysia.

This meeting will mark a milestone as the first ISAM annual meeting to be held in Asia and we hope that it will be a positive opportunity to connect with our colleagues in this corner of the globe.

I am very enthusiastic in welcoming you all to Kuala Lumpur, our host city for the 15th ISAM Annual Meeting.

Registration and abstract submission are now open and we invite you to come and participate.

See you all in November

Best wishes,

Professor Dr Hannu Alho
*ISAM President*
Happy greeting from Kuala Lumpur!!!

It is an honour for me to invite all delegates from various parts of the world to converge to Kuala Lumpur, Malaysia for the ISAM’s 15th Annual Meeting. It is for the first time it will be held in the Asia Pacific region.

As the field of addiction develops rapidly it is necessary for us to keep updated to enable us providing comprehensive services to our patients. As more and more evidence supporting medical treatment for addiction becomes available, it is vital for us to critically examine the choices of treatment. The theme of the meeting is “Managing Addiction through Evidence Based Medical and Psychosocial Interventions”.

In this meeting experts in the field will give updates on the latest development in the area of addiction. Since amphetamines use is a growing problem the meeting will also emphasize on it and subsequently, it will try to discuss critically scientific evidence on this type of drug use. As we know there are also emerging new behavioural addictions such as internet addiction which will also be the focus of this meeting.

Apart from attending the scientific programs delegates will have opportunities to visit interesting attractions in Malaysia. As widely known Malaysia is also known for its truly Asia culture. Food heaven is also synonymously attached to Kuala Lumpur.

Your participation in the 15th Annual Meeting for ISAM in Kuala Lumpur from 21st till 23rd November 2013 will definitely make this meeting more exciting.

“Selamat Datang” and Welcome to Kuala Lumpur
Thank you.

Dr Muhammad Muhsin Ahmad Zahari
Chairman,
Local Organising Committee for ISAM’s 15th Annual Meeting 2013
Kuala Lumpur, Malaysia.
INTERNATIONAL ADVISORY COMMITTEE

- Prof Hannu Alho [Finland]
- Prof Greg Bunt [USA]
- Prof Tarek Gawad, [Egypt]
- Prof Susumu Higuchi [Japan]
- Prof Sung-Gon, Kim [South Korea]
- Prof Mohamad Hussain Habil [Malaysia]
- Prof Dato’ Dr Mahmood Nazar [Malaysia]
- Dr Al Bachri Husin [Indonesia]
- Prof Apinun Aramrattana [Thailand]

LOCAL ORGANIZING COMMITTEE

Advisors
Prof Dr Mohamad Hussain Habil
Prof Rahimah Abdul Kadir

Scientific Committee
Dr Rusdi Abd Rashid
Dr Yee Hway Ann @ Anne Yee
Associate Prof Noor Zurani Md Haris Robson
Dr Khowsrow Kamali

Chairman
Dr Muhammad Muhsin Ahmad Zahari

Committee Members
Mr Megat Haris Bin Mohd Aji
Ms Wan Azlinda Irnee Wan Hussin
Associate Prof Ahmad Hatim Sulaiman
Dr Sangeeth Kaur A/P Bose Singh
(National Anti-Drug Agency, AADK)
Dr Rozanim Binti Kamarudin
(Ministry of Health, MOH)
Mr. Anbalagan A/L Subramaniam
(Department of Prison, Malaysia)
Mr. Md Roslan Ghani (Malaysian AIDS Council, MAC)
Dr Hazli Zakaria
Dr Rushidi Ramli

Co-Chairperson
Prof Dato’ Dr Mahmood Nazar Mohamed

Treasurer
Mr Eisa Zakaria

Assistant Secretary
Ms Norhaslizawati binti Ramli

Fellowship Committee
Prof Hannu Alho
Prof Tarek Gawad
**PD 08: DOES FOOD ADDICTION HEIGHTEN THE PROPENSITY TOWARDS OBESITY IN SCHIZOPHRENIA?**

Pai, N.; Vella, S. L.

Obesity clearly is a multifactorial disease with a number of potential causes, but the involvement of environmental changes including the overabundance of palatable food stuffs and reduced opportunity to burn off the extra caloric consumption remains undeniable. Recent research has highlighted the potential role of addictive processes in the aetiology of obesity. With research indicating the activation of neural reward circuitry in the brain akin to that seen in individuals with substance use disorders in response to food stimuli; thus presenting pressing evidence for the validity of the notion of food addiction. Put simply these reward pathways are mediated by dopamine. Further the recent revision of the DSM-5 has heightened this interest through the inclusion of the first behavioural addictive disorder (gambling disorder) comparable to food addiction further validating the notion of food addiction. It has long been known that patients with schizophrenia have an inherent metabolic disadvantage that predisposes them to the onset of metabolic syndromes which is further exacerbated by the side effects of antipsychotics; especially second generation antipsychotics. With these metabolic issues resulting in increased illness and mortality in comparison to their peers who are unaffected by schizophrenia. The treatment of schizophrenia and other psychotic illnesses results in a generalised reduction of dopamine however it is also known that such disorders increase the general propensity towards addictions (especially substance use and abuse), with the conditioned addictive behaviour resulting in increasing dopamine activation in the neural reward pathways. Moreover some of the most common second generation antipsychotics are known to increase appetite and food consumption even in healthy controls. These multifactorial issues pertaining to food addiction in schizophrenia in light of the current research will be discussed.

**PD 09: INTERNET ADDICTION AMONG STUDENTS OF SECONDARY SCHOOLS IN JAKARTA AREA: THE PREVALENCE AND ITS EFFECT TO EMOTIONAL PROBLEM**

Suryani, E.; Ayu, A. P.

Introduction: Internet is important part in our lives in the 21st century. But, the studies indicate that students belong to high risk group of internet addiction. In this context we would like to know how far the internet addiction impacting students of secondary schools in Jakarta area. Therefore we have our interest to find out the prevalence of internet addiction and how it could affect emotional problem. 

Method: The quantitative analysis is involved to do this study. Regarding this matter we use IAT(Internet addiction test) - which being used to diagnose internet addiction disorder, and SDQ(Strength and Difficulties Questionnaire) - which being used to identify emotional problem. Result: From the total sum of 186 students the study found that the majority of students were classified as average online user (n= 147, 79.03%) and frequent/occasional problem with internet usage (n = 39, 20.97%). We found that male have problem with internet addiction more than female students. They more often connect internet at home than other place. They visit games sites, community sites more often than education/academic sites. There’s 26.8% of sum 186 students who have mild to moderate addiction is also