



**PERHIMPUNAN ONKOLOGI
INDONESIA**

7th Biannual International Symposium on Nasopharyngeal Carcinoma 2015 Yogyakarta

**Royal Ambarrukmo Hotel,
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ABSTRACT BOOK

Steering Committee

Prof. Dr. dr. Teguh Aryandono, Sp.B(K)Onk
Dean of Faculty of Medicine, Univ. Gadjah Mada
teguharyandono@yahoo.com

Prof. dr. Sofia Mubarika H., M.Med.Sc., Ph.D
Universitas Gadjah Mada, Indonesia
sofia.mubarika@gmail.com

Prof. Dr. dr. Soenarto Sastrawijoto, Sp.THT-KL
Universitas Gadjah Mada, Indonesia
bioetika_2007@yahoo.com

Prof. dr. Bambang Hermani, Sp.THT-KL
Universitas Indonesia, Indonesia
bhermani@yahoo.com

Prof. Dr. dr. Soehartati G., Sp.Rad(K), Onk.Rad
Universitas Indonesia, Indonesia
gondhow@gmail.com

Dr. dr. Aru Wicaksono Sudoyo, Sp.PD(K)HOM
Universitas Indonesia, Indonesia
arusudoyo@yahoo.com, arusudoyo@gmail.com

Dr. dr. Tb. Djumhana D. Atmakusuma, Sp.PD(K)HOM
Universitas Indonesia, Indonesia
endjum@hotmail.com

Prof. Ing Bing Tan, MD, PhD.
Netherlands Cancer Institute/AVL Amsterdam &
Universitas Gadjah Mada Yogyakarta Indonesia
i.tan@nki.nl

Prof. Jaap Middeldorp, PhD.
VU University Medical Center, Amsterdam
j.middeldorp@vumc.nl

Indonesian Scientific Committee

Prof. dr. Bambang Hermani, Sp.THT-KL
Universitas Indonesia, Indonesia
bhermani@yahoo.com

Prof. Dr. dr. Widodo Aryo Kentjono, Sp.THT -KL(K)
Universitas Airlangga, Indonesia

Dr. dr. Pudji Rahayu, Sp.THT-KL(K)
University of Brawijaya, Indonesia
pudjitht@gmail.com

dr. Marlinda Adham Yudharto, Sp.THT-KL(K)
Universitas Indonesia, Indonesia
marlinda.adham@yahoo.com

dr. Mayang, Sp.THT
Universitas Indonesia, Indonesia
idmayang@yahoo.com

Dr. dr. Bambang Hariwiyanto, Sp.THT-KL(K)
Universitas Gadjah Mada, Indonesia
bhermani@yahoo.com

dr. Sagung Rai Indrasari, M.Kes., Sp.THT-KL(K)
Universitas Gadjah Mada, Indonesia
srindrasari123@gmail.com

dr. Camelia Herdini, M.Kes, Sp.THT-KL
Universitas Gadjah Mada, Indonesia
camelia_herdini@yahoo.com

dr. Ibnu Purwanto, Sp.PD(K)HOM
Universitas Gadjah Mada, Indonesia
dribnupwt@yahoo.com

dr. Kartika Widayati, Sp.PD(K)HOM
Universitas Gadjah Mada, Indonesia
ikehariadi@yahoo.com

dr. Wigati Dhamiyati, Sp.Rad(K).Onk.Rad
Universitas Gadjah Mada, Indonesia
wigatixdh@gmail.com

dr. Sri Retna Dwidanarti, Sp.Rad(K).Onk.Rad
Universitas Gadjah Mada, Indonesia
dwidanarti85@gmail.com

dr. Mardiah Suci Hardianti, Sp.PD, PhD.
Universitas Gadjah Mada, Indonesia
diahbudiyanto@yahoo.com

dr. Susanna Hilda Hutajulu, SpPD, PhD.
Universitas Gadjah Mada, Indonesia
susanna.hutajulu@ugm.ac.id

Jajah Fachiroh, S.P., M.Si. PhD.
Universitas Gadjah Mada, Indonesia
jfachiroh@gmail.com

Staff of Scientific Committee
dr. Astari Anggara Dewl
astarianggara@yahoo.com

Executive Committee

Chairperson,
dr. Johan Kurnianda, Sp.PD(K)HOM
Universitas Gadjah Mada, Indonesia
jkurnianda@yahoo.com

Secretaries,
Jajah Fachiroh, S.P., M.Si. PhD.
Universitas Gadjah Mada, Indonesia
jfachiroh@gmail.com

dr. Susanna Hilda Hutajulu, SpPD, PhD.
Universitas Gadjah Mada, Indonesia
susanna.hutajulu@ugm.ac.id

Staff Secretaries,
Salindri
lilinsalindri@ymail.com

Galih Toni Kusuma, S.Kom
galih.toni@yahoo.com

Treasurers,
dr. Henry Kusumo Husodoputro, Sp.Rad (K)
Universitas Gadjah Mada, Indonesia
kusumo_2000@yahoo.com

Dewi K. Paramita, S.Si., M.Si., PhD
Universitas Gadjah Mada, Indonesia
dkparamita@ugm.ac.id

International Scientific Committee

Prof. I. Bing Tan MD, PhD
Netherlands Cancer Institute, Amsterdam, NL &
Universitas Gadjah Mada Yogyakarta Indonesia
i.tan@nki.nl

Prof. Jaap M Middeldorp, Ph.D.
VUmc Amsterdam, NL
j.middeldorp@vumc.nl

Daniel Chua, M.D.
Hong Kong Sanatorium & Hospital
danielchua@hksh.com

Anne WM Lee, MD,
University of Hong Kong - Shenzhen Hospital, China
awmlee@ha.org.hk

Joseph Wee Tien Seng, M.D.
National Cancer Centre Singapore
trdwts@nccs.com.sg

**dr. Alan Khoo Soo Beng, MBBS, MPH, MRCP, MS,
FRCP, FAMM**
Institute for Medical Research, Kuala Lumpur,
Malaysia
alankhoo@imr.gov.my

**Prof. Alan Bernard Rickinson, M.A, Ph.D., FRCP
(Hon), FAMS, FRS.**
CR-UK Institute for Cancer Studies, The University of
Birmingham, UK
a.b.rickinson@bham.ac.uk

Allan Hildesheim, Ph.D.
Infections & Immunoepidemiology Branch, DCEG, NCI,
USA
hildesha@exchange.nih.gov

Fei-Fei Liu, M.D, FRCPC
Radiation Medicine Program, Princess Margaret
Cancer Centre Toronto, Canada)
fei-fei.liu@rmp.uhn.on.ca

Jinxin BEI, Ph.D.
Internal Medicine, Cleveland Clinic, USA
beijx@gis.a-star.edu.sg

Prof. Enis Ozyar
Acibadem Maslak Hospital, Istanbul
eozyar@hacettepe.edu.tr

Prof. George S. W. Tsao, B.Sc., Ph.D., CBiol, MIBiol.
Dept Anatomy, Faculty Medicine, University of Hong
Kong
gswtsao@hku.hk

Ingmar Ernberg, M. D.
Microbiology and Tumor Biology Center (MTC),
Karolinska Institute, Stockholm
Ingemar.Ernberg@ki.se

Lori Frappier, Ph.D.
Dept. of Molecular Genetics, University of Toronto
lori.frappier@utoronto.ca

Marilyn Corbex, Ph.D.
Institute of Tropical Medicine Belgium
mcorbex@itg.be

Meriem Khyatti, Ph.D.
Institut Pasteur du Maroc, Casablanca, Morocco
meriem.khyatti@pasteur.ma

MF Ji, Ph.D.
Moffitt Cancer Center, Tampa, FL
fowkes@burnet.edu.au

Pierre Busson, M.D., Ph.D.
Gustave Roussy and Paris-sud University, France
pierre.busson@igr.fr

Stephen Gottschalk, M.D.
Pediatric Hematology-Oncology, Texas Childrens
Hospital Cancer Center
smgottsc@txch.org

Yi-Xin Zeng, M.D., Ph.D.
Peking Union Medical College, Sun Yat-sen University
Cancer Center, China
zengyix@mail.sysu.edu.cn

Mu-Sheng Zeng, M.D. & Ph.D.
Sun Yat-sen University Cancer Center, China
zengmsh@mail.sysu.edu.cn

Contact Us

Website : www.npcsymposium2015.org
Email : npcyk2015@gmail.com
secretary@npcsymposium2015.org
Phone : +62 851 0189 3869
Fax : +62 274 545030

Scientific Schedule

Day I. 4 June 2015

Etiology of NPC

TIME	TOPICS	ABSTRACT NUMBER
08.00 - 08.30	Registration	
08.30 - 09.00	Opening	
09.00 - 09.30	Keynote address Professor I. Bing Tan, MD, PhD (Netherlands Cancer Institute/AVL Hospital Amsterdam, NL-Universitas Gadjah Mada Yogyakarta Indonesia)	PL-01
09.30 - 10.00	Coffee break	
10.00 - 11.20	PLENARY 1 : Epidemiology (World distribution, Molecular epidemiology, and Risk factors) Chair Person: Allan Hildesheim, Ph.D (Chief Infections and Immunoepidemiology Branch, NCI, US)	
10.00 - 10.20	NPC international incidence and risk factors Ellen Chang, Sc.D (Senior Managing Scientist, Stanford Cancer Institute, LA, CA, USA)	PL-02
10.20 - 10.40	Familial nasopharyngeal carcinoma and the use of biomarkers Professor Chien-Jen Chen (Genomics Research Center, Academia Sinica; and Graduate Institute of Epidemiology and Preventive Medicine, National Taiwan University, Taipei)	PL-03
10.40 - 10.50	Hospital-based frequency and clinical characteristics of patients with nasopharyngeal carcinoma patients in Indonesia Marlinda Adham, MD, PhD (Universitas Indonesia/Dr. Cipto Mangunkusumo Hospital, Jakarta, Indonesia)	OP-01
10.50 - 11.00	Epstein-Barr Virus Seromarkers and Risk of Nasopharyngeal Carcinoma: the Gene-Environment Interaction Study on Nasopharyngeal Carcinoma in Taiwan Yin Cu Chien (Genomics Research Center, Academia Sinica, Taipei)	OP-02
11.00 - 11.10	Familial Tendency and Environmental Co-factors of Nasopharyngeal Carcinoma: the Gene-Environment Interaction Study on Nasopharyngeal Carcinoma in Taiwan Wan-Lun Hsu (Genomics Research Center, Academia Sinica, Taipei)	OP-03
11.10 - 11.20	Nasopharyngeal carcinoma (NPC) case control study in Indonesia Jajah Fachiroh, PhD (Universitas Gadjah Mada, Yogyakarta, Indonesia)	OP-04
11.20 - 12.05	Industrial Lunch Symposium: Supportive Care in Head and Neck Cancer: Focus on Pain and Anemia Management Dr. dr. Aru W. Sudoyo. Sp.PD -KHOM, FINASIM (Universitas Indonesia, Dr. Cipto Mangunkusumo Hospital, Jakarta)	
12.05 - 12.50	Lunch	

12.50 - 14.40	PLENARY 2: Genetics and Epigenetic Chair Person: Ellen Chang, Sc.D (Senior Managing Scientist, Stanford Cancer Institute, LA, CA, USA)	
12.50 - 13.10	Genetic susceptibility risk factors for sporadic and familial NPC: recent findings Allan Hildesheim, PhD (Chief Infections and Immunoepidemiology Branch, NCI, US)	PL-04
13.10 - 13.30	Genetic and Genomic Studies of Nasopharyngeal Carcinoma Professor Jinxin Bei (State Key Laboratory of Oncology in South China, Sun Yat-sen University Cancer Center, Guangzhou, China)	PL-05
13.30 - 13.50	Genetic and Environmental Risk Factors for Nasopharyngeal Cancer in South East Asia James McKay, PhD (IARC, Lyon, France)	PL-06
13.50 - 14.10	Characterization of the NPC methylome identifies aberrant epigenetic disruption of key signaling pathways and EBV-induced gene methylation Professor Qian Tao (School of Biomedical Sciences, The Chinese University of Hong Kong, China)	PL-07
14.10 - 14.20	Epigenetic identification of a novel regulator of p53-signaling as a broad tumor suppressor frequently methylated in multiple tumors Lili Li, Ph.D (Chinese University of Hong Kong, Hongkong)	OP-05
14.20 - 14.30	Identification of Potential Tumour Susceptibility Genes in Constitutional DNA of Nasopharyngeal Carcinoma Patients with First Degree Relatives of NPC via Whole-Exome Sequencing Hamidah Akmal Hisham (Institute for Medical Research, Kuala Lumpur, Malaysia)	OP-06
14.30 - 14.40	The genetic susceptibility and prognostic role of TERT-CLPTM1 and genes in DNA damage pathways in NPC Josephine Mun Yee Ko (University of Hongkong, Hongkong)	OP-07
14.40 - 14.55	Coffee break	
14.55 - 16.35	PLENARY 3: EBV-Host Relationship Chair Person: Prof. Jaap Middeldorp, PhD (VU University Hospital, Amsterdam, The Netherlands)	
14.55 - 15.15	Tumor exosomes and translational research in NPC Dr Pierre Busson, MD, PhD (Institut de Cancérologie Gustave Roussy, Villejuif, Cedex, France)	PL-08
15.15 - 15.35	Host manipulations of the Epstein-Barr virus EBNA1 protein Lori Frappier, PhD (Dept of Molecular Genetics, University of Toronto, Canada)	PL-09
15.35 - 15.55	Somatic Genetic Changes in EBV-associated Nasopharyngeal Carcinoma Prof. Kwok-Wai Lo (University of Hong Kong, Hong Kong)	PL-10
15.55 - 16.05	Mechanism study of Ovol2 regulate the differentiation of NPC	

16.05 - 16.15	The oncogenic role of RE1-silencing transcription factor (REST) in LMP1-expressing cancer cell lines Mitsuharu Aga (Kanazawa University, Japan)	OP-9
16.15 - 16.25	Epstein-Barr virus miR-BART20-5p regulates cell proliferation and apoptosis by targeting BAD Suk Kyeong Lee (The Catholic University of Korea, Seoul, Republic of Korea)	OP-10
16.25 - 16.35	Comparison of circulating biomarkers in patients with nasopharyngeal carcinoma Min Han Tan (Institute of Bioengineering and Nanotechnology, Republic of Singapore)	OP-11
16.35 - 18.00	Poster reception (high tea reception)	
18.00 - 19.30	NPC Consortium Meeting Coord: Allan Hildesheim, PhD	

**Poster Presentation
Clinical Research on NPC**

NAME	ABSTRACT TITLE	ABSTRACT NUMBER
Hamit Basaran Hacettepe University, Ankara, Turkey	Evaluation of treatment results in our nasopharyngeal cancer patients	PP-01
Makoto Kano Kanazawa University	Analysis of the factor to have an influence on the outcome of alternating chemoradiotherapy for nasopharyngeal cancer	PP-02
Deasy Z. Madani, MD Universitas Padjajaran	Prevalence of nasopharyngeal carcinoma patients at Departement of Otorhinolaringology-Head and Neck Surgery, Dr. Hasan Sadikin General Hospital, Bandung, Indonesia in 2010-2014	PP-03
Riska Adriana, MD Universitas Padjajaran	Survival analysis of nasopharyngeal carcinoma patients in Hasan Sadikin hospital and the affecting factors	PP-04
Achmad C. Romdhoni, MD Universitas Airlangga	Photodynamic therapy on persistent nasopharyngeal carcinoma rT4NOMO (A case report)	PP-05
Naomi Yoshuantari, MD Universitas Gadjah Mada	Early symptoms of patients with metastatic nasopharyngeal carcinoma	PP-06
Camelia Herdini, MD Universitas Gadjah Mada	Nasopharyngeal carcinoma in childhood at Dr Sardjito Hospital in 2014; environmental and clinical characteristics (case study)	PP-07
Iswandi Darwis, MD Universitas Gadjah Mada	Report on locoregionally advanced nasopharyngeal cancer patients treated with induction chemotherapy followed by concurrent chemo-radiation therapy	PP-08
Sindhu Wisesa, MD Universitas Gadjah Mada	Sex and age differences in the survival of patients with nasopharyngeal carcinoma	PP-09
Khoirul Anwar, MD Universitas Gadjah Mada	Impact of delayed diagnosis and delayed therapy in the treatment outcome of patients with nasopharyngeal carcinoma	PP-10
Wendhy Pramana, MD Universitas Gadjah Mada	Pretreatment anemia in nasopharyngeal cancer patients undergoing neoadjuvant therapy	PP-11
Diah Safitri, MD Universitas Gadjah Mada	Results of treatment with neoadjuvant cisplatin-5FU in locally advanced nasopharyngeal carcinoma: a local experience	PP-12
Guntara Khuzairi Universitas Gadjah Mada	Analysis of delay treatment on the survival of patients with nasopharyngeal carcinoma	PP-13
dr. Suryo Taroeno, MD Universitas Gadjah Mada	Geriatrics with nasopharyngeal cancer	PP-14
Indro Wilopo, MD	Correlation of lymphocyte to monocyte and	

Arie Munandar, MD
Dr. Cipto Mangunkusumo
Hospital Jakarta

Profile of nasopharyngeal cancer who received therapy in Departement of Radiotherapy, Ciptomangunkusumo General Hospital January 2007–December 2011: special analysis on survival

PP-16

**Poster Presentation
Translational Research on NPC**

NAME	ABSTRACT TITLE	ABSTRACT NUMBER
Wan Lun Hsu Genomics Research Center, Academia Sinica, Taipei	Prediction of nasopharyngeal carcinoma risk by Epstein-Barr virus seromarkers and environmental co-factors: the gene-environment interaction study on nasopharyngeal carcinoma in Taiwan	PP-17
Sukri Rahman, MD Universitas Andalas, Padang, Indonesia	Non-viral risk factors for nasopharyngeal carcinoma in West Sumatra, Indonesia	PP-18
Coco Yin	New prototype VIDAS EBV IgA quick: performance on Chinese and Moroccan populations	PP-19
Dewi Syafriyetti Soeis Marzaini, MD, PhD RSCM Jakarta	The Expression of EBV-LMPI and VEGF as Predictors and Plasma EBV-DNA Levels as Early Marker of Distant Metastasis after Therapy in Nasopharyngeal Cancer	PP-20
Fari Daud, MD Maranatha Christian University	Non-viral risk factors of nasopharyngeal carcinoma in RSUD Sumedang, Indonesia	PP-21
Awal Prasetyo, MD Universitas Diponegoro, Semarang	Diagnostic value of IgA [EBNA1+VCA p-18] ELISA to discriminate nasopharyngeal cancer patients from their unaffected family members	PP-22
Dwi Hartati Universitas Gadjah Mada	Characteristics and factors influencing subjects refusal for blood samples retrieval: lesson from NPC case control study in Yogyakarta – Indonesia	PP-23
Lisa Gunawan Universitas Gadjah Mada	Differential expression of MicroRNA BART-7 on nasopharyngeal carcinoma patient and healthy control	PP-24
Saihas Suhda Universitas Gadjah Mada	CYP2E1 polymorphisms and risk of nasopharyngeal carcinoma in Yogyakarta	PP-25
Michael Hartono Universitas Gadjah Mada	IgA response to native early antigen (IgA-EAext) of Epstein-Barr virus (EBV) in healthy population and nasopharyngeal carcinoma (NPC) patients: the potential for diagnosis and screening tools	PP-26

Non-viral risk factors for nasopharyngeal carcinoma in West Sumatra, Indonesia

Sukri Rahman¹, Bestari J Budiman¹, Novialdi¹, Rahmadona¹, Dewi Yuri Lestari¹

¹Department of Otorhinolaryngology Head and Neck Surgery, Faculty of Medicine, Andalas University, Padang, Indonesia

e-mail: sukri_rahman@yahoo.com

Introduction. Nasopharyngeal carcinoma (NPC) is a unique cancer with incidence varies widely according to geographic location and ethnic background. Many studies have shown that the etiology of NPC is multifactorial, including genetic, viral infection and environmental factors. NPC is a frequent cancer in Indonesia, it is also the most common head and neck cancer in West Sumatra. Indonesia has diverse ethnic groups with a variety of lifestyle and cultural foods. The Minangkabau is one ethnic in Indonesia which is the main population of west Sumatra province.

Aims. The purpose of this study was to investigate non-viral factors which increase the risk of NPC in this population.

Methods. a case-control study was conducted among 33 newly diagnosed case of NPC and 33 sex and age (±5 years) matched controls. Data were collected for demographic characteristics and exogenous factors using questionnaire through face to face interviews. Odds ratio (ORs) and corresponding 95% confidence intervals (CIs) were estimated.

Results and discussion. Observation indicates that burning of anti-mosquito coils was associated with an increased risk of NPC (OR= 3.54, 95% CI 1.28-9.80). Wood dust exposure was also associated with a higher risk (OR= 3.63 95% CI 1.02-12.93). Salted fish consumption was more frequent for case than control, but no significant difference (OR= 2.51, 95% CI 0.90-7.00). Our result indicated that there were no association between NPC and preserved meat, cigarette smoking, alcohol consumption, family history of NPC, wood fire, herbal medicine and past history of ear, nose and throat chronic disease.

Conclusion. Our results suggest that use of anti-mosquito coils and exposure to wood dust associated with the development of NPC in the West Sumatra population.

Notes :
