PROCEEDING BOOK

THE 4th INTERNATIONAL CONFERENCE
ON HEALTH SCIENCE 2017

“The Optimalization of Adolescent Health in The Era of SDGs”

INNA GARUDA HOTEL YOGYAKARTA,
INDONESIA
November 5th, 2017

HEALTH POLYTECHNIC OF HEALTH MINISTRY
YOGYAKARTA Jl. Tata Bumi No.3, Banyuraden, Gamping,
Sleman, Yogyakarta, Indonesia 55293 Phone/Fax.62-274-
617601, Email : ichs@poltekkesjogja.ac.id
Table of Contents

Address from The Chairman of The Conference .............................................................. viii
Address from Director of Health Polytechnic of Health Ministry Yogyakarta .................... ix
The 4th International Conference On Health Science 2017 Committee .............................. x
List of Keynote Speaker ........................................................................................................ xvi
List of Oral Presentation ......................................................................................................... xvii
List of Poster Presentation ...................................................................................................... xix
Abstract of Keynote Speakers ................................................................................................. 1
Full text of Oral Presentation ................................................................................................. 10
Full text of Poster presentation ............................................................................................. 142

Keynote Speaker

I-01 Role of Regional Head in Order to Successful Community Movement Health Living on Adolescent
Dra. Hj. Sri Muslimatun, M.Kes (Indonesia) ........................................................................... 1

I-02 Health Ministry's Policy to Improve Adolescent Health in The Era of SDGs
drg. Usman Sumantri, M.Sc (Indonesia) ................................................................................. 2

I-03 Climate Change and The Health Consequences in The Population
Prof. Dr. Tengku Mohammad Ariff R. Husein (Malaysia) ...................................................... 3

I-04 Overview for The Policy and Support of Government of Thailand
Prof Assoc. Prof. Patcharee Jearanaikoon, PhD (Thailand) .................................................. 4

I-05 HIV Testing in Laboratory and Community to Detect Carrier Among Adolescence Immediately
Assistant Prof. Amonrat Jumnainsong, PhD (Thailand) ......................................................... 5

I-06 Mental Health Detection in Teenagers

I-07 Youth Marriage on Reproductive Health
Dr. Yuni Kusmiyati, SST.,MPH (Indonesia) .......................................................................... 7

I-08 Hormonal Changes in Tissue Periodontium in Adolescents
Dr. drg. Dahlia Herawati, SU.,Sp.Perio (K) (Indonesia) ......................................................... 8

I-09 Improving Child Nutrition Literacy For Teenage Pregnant Women And Its Implication To The First 1000 Days Of Child Life: Arguments For Developing Social Media Based Adolescent Support Group In Indonesia
Dr Dr. Mubasyir Hasan Basri, MA (Indonesia) ................................................................ 9
Oral Presentation

O-01 Identifying the Role of Hemoglobin in Intradialytic Nausea and Vomiting in Panembahan Senopati General Hospital in Bantul
Cornelia D.Y Nekada, Eva Ernawati, Tia Amestiasih (Indonesia) ................................. 10

O-02 The Influence Of Early Breastfeeding Initiation On Postpartum Mother’s Breast Milk Production In Lismarini Independent Midwifery Practice Palembang
Indah Rahmadaniah, Lusi Meliani (Indonesia) .............................................................. 18

O-03 Maternal Characteristics and Low Birth Weight
Tri Budi Winarsh, Hesty Widayash, Margono (Indonesia) ........................................... 22

O-04 Relationship of Obesity Early Pregnancy With Preeclampsia In RSUD Sleman 2016
Della Eprilian Sari, Dyah Noviawati Setya, Margono (Indonesia) ................................. 30

O-05 The Effectiveness of Nipple Stimulation By Providing Supplementary Food to Successfull Breastfeeding Back (Relactation) To The Breastfeeding Mothers In Southern Tangerang 2016
Irons Astuti (Indonesia) .................................................................................................. 35

O-06 Factors Related to Breast Cancer Among Women in Yogyakarta City Public Hospital, Indonesia
Tia Arsittasari, Dwiana Etiwidani, Nanik Setiyawati (Indonesia) ................................. 43

O-07 The Effectiveness of Health Education Through Smartphone and Booklet on Knowledge and Attitude of Adolescence Reproductive Health
Puspa Sari, Kusnandi Rusmil, Arief S. Kartasasmita, Farid, Tati Latifah Erawati Rajab, Deni K. Sunjaya, Tina Dewi Judistiani (Indonesia) ........................................ 51

O-08 Physical Activities and Snack Consumptions of Obese Adolescents In Bantul, Yogyakarta
Mellia Silvy Irdianty (Indonesia) ...................................................................................... 60

O-09 The Correlation Education About Health Reproductive and Knowledge and Attitude of Health Reproductive of Adolescent
Kusbaryanto, Hatasyari (Indonesia) .................................................................................. 68

O-10 The Relationship Between Knowledge,Attitudes, Actions Related to The Clean and Healthy Behavior and Nutritional Status with Diarrhea Events In Islamic Boarding School
Sinta Mukti Permatasari, Ayu Rahadiyanti, Fathimahi (Indonesia) ............................... 74

O-11 Factors Associated with Exclusive Breastfeeding among Working Mothers in Yogyakarta City, Indonesia
Sri Yunita, Munica Rita Hernayanti, Niken Meilani (Indonesia) .................................... 79

O-12 Characteristics of Sexually Transmitted Infections In Polyclinic dr.Sardjito Hospital Yogyakarta
Atika Karunia Zulfa, Jenita Doli Tine Donsu, Sugeng (Indonesia) .............................. 86
O-13 Factors That Influences of People Living With HIV/AIDS (PLWHA) in VCT Division of General Hospital Waluyo Jati Kraksaan District Probolinggo
Cicilia Windiyaningsih, Iis Hanifah (Indonesia) ................................................................. 95

O-14 Advanced of Sarang Semut Infusion (Myrmecodia Pendens Merr & Perry) as Decreased Blood’s Uric Acid in Male Rats of Wistar Strain
Agus Suprijojo, Ariani Hesti (Indonesia) .................................................................................. 102

O-15 The Meaning and Role of Spirituality in HIV/AIDS Patients
Agus Prasetyo, Sodikin, Widyoningsih (Indonesia) ................................................................. 107

O-16 Therapeutic Communications Reduce The Patient’s Anxiety of Pre Operation Patiens
Intan Mirantia, Harmilah, Surantana (Indonesia) ....................................................................... 111

O-17 Analysis of Related Factors with A Subjective Complaint of Musculo Skeletal Diseases (Part II) : Characteristics and Relationship Characteristics Individual Factors on Workers Insurance Office
Arif Jauhari, Kuat Prabowo, Arfia Fridianti (Indonesia) ............................................................ 117

O-18 Effects of Husband’s Support in The Duration of Second Stage of Labor Among Primigravida in Indonesia
Sagita Darma Sari, Desi Ratnasari (Indonesia) ......................................................................... 124

O-19 The Relationship Between Family Burden with Frequency of Recurrence Patient with Paranoid Schizophrenia
Livana PH, M Fatkhul Mubin (Indonesia) .................................................................................. 129

O-20 Information Through The Flipbook to The Level of Knowledge About Domestic Violence in Fertile Couples in Sleman in 2017
Yani Widyastuti, Khadizah Haji Abdul Mumin, Yuliantisari (Brunei Darussalam) 135

Poster Presentation
P-01 Experience of Adolescents with Premenstrual Syndrome and Information-Focused Therapy (IFT) For Reducing Its Affective Symptoms
Dewi Marfuah, Nunung Nurhayati (Indonesia) ......................................................................... 142

P-02 Correlation of Amount of Parity and Menopause Age in Padukuhan Cangkringan, Argomulyo Village, Cangkringan District, Sleman Regency, Special Region of Yogyakarta
Ninyng Nurdianti, Sukmawati (Indonesia) ................................................................................ 152

P-03 The Risk of Obesity and Developmental Delay in 2-5 Year Old Stunted Children in Kanigor, Saptosari, Gunung Kidul, Yogyakarta
Rr Dewi Ngaisyah, Siti Wahyuningsih (Indonesia) .................................................................... 158

P-04 Giving of Catfish Abon to the Creatinine Level of Haemodialysis Patients
Fery Lusviana Widiany, Ari Tri Astuti (Indonesia) ..................................................................... 163

P-05 Effect of Moringa Oleifera Cookies in Anemia Adolescent
Devillya Puspita Dewi, Farissa Fatimah (Indonesia) ............................................................... 167
P-06 Experiences of Drug Users In IIA Class Jail Yogyakarta
Sri Hendarsih, Wisnu Sadhana (Indonesia) ................................................................. 171

P-07 A Social Ecological Perspective on The Indonesian Maternal Mortality Problem; An Annotated Bibliography
Inraini Fitria Syah (USA) ........................................................................................................ 177

P-08 The Importance of Assistance to Cancer Patients with Mental Disorders
Muhammad Raftaz Kayani, Jenita Doli Tine Donsu (Pakistan) ............................................ 183

P-09 Larvicidal Activity of Star Fruit Extract (Averhoa carambola linn) Against Larvae of Aedes aegypti
Siti Zainatun Wasilah (Indonesia) ........................................................................................... 186

P-10 Factors Related to Decision Making Choosing Place of Delivery In Fakfak District West Papua Year 2017
Bernadet Dewi Kusuma Harimurti Kunde (Indonesia) ......................................................... 193
The 4th International Conference on Health Science 2017 Committee

A. Steering Committee
Advisory Committee:
1. The Head of Health Practitioners Training and Education Center of The Committee on Development and Empowerment of Health Human Resources of Health Ministry of Indonesia
2. The Head of Committee on Development and Empowerment of Health Human Resources of Health Ministry of Indonesia
3. Dr. Robert Priharjo, M.Sc, BSN PGCE RN
   Lecturer Anglia Ruskin University, United Kingdom

B. Organising Committee
Person in charge: Joko Susilo, SKM.,M.Kes
Chairman I: Sari Hastuti, S.SiT, MPH
Chairman II: Mohamad Mirza Fauzie, S.SiT.,M.Kes
Chairman III: Sri Arini Winarti Rinawati, SKM, M.Kep
Secretary: Yani Widyastuti, SSiT, M.Keb
Treasurer: Suwandi, SE
   Tanto Yuono, SE
   Ns Harmilah, M.Kep, Sp.MB

Members
1. Secretariat: Dasilah
   2. Evriyani, Amd
   3. Eva Lidya Yunita, AMd.Kg
   4. Astuti Dwi E, Amd
   5. Veronica Anindyatni Nugroho Putri, Amd

2. Scientific committee (keynote speaker+materials):
   1. Hesty Widyasih, SSiT, M.Keb
   2. Achmad Husein, SKM, MPd
   3. Sugeng, Ners.,M.Sc
   4. Almira Sitasari, S.Gz, MPH
   5. Aryani Widayati, SSiT.,MPH
   6. Eni Kurniati, S.SI.,M.Sc

3. Proceeding committee:
   1. Sabar Santosa, SPd, APP, M.Kes
   2. Dr. drg. Wiworo Haryani, M.Kes.
   3. Siti Nuryani, S.Si.,M.Sc
   4. Dr. Ir. I Made Alit Gunawan, M.Si.
   5. Ns Meilani, SSiT,SPd, M.Kes
   7. Dr. drg. Quroti Ayun, M.Kes
   8. Muryoto, SKM.,M.Kes
   9. Ayu Triani, S.T.
   10. Desi Rochmawati, SS.M,Hum
   11. Andika Trisurini, S.Pd
   12. Dina fadhilah, S.Tr
   13. Apriyatni Condro Ekarini, S.SiT.,M.Kes
   14. Sapto Harmoko, SIP
4. Event Committee
   1. Yanuar Amin, S.ST.,SH
   2. Rosa Delima Ekwantini, S.Kp.,M.Kes
   3. Dra. Elza Ismail, M.Kes
   5. Sarka Ade, SIP, S.Kep. MA
   6. Rybob Khomes, S.Kom

5. Promotion, Publication and Business Committee
   1. Ika Prasetyo Nugroho, SE
   2. Uki Wulanggita, SST
   3. Nugraheni Tri Lestari, SKM, MPH
   4. Mina Yumei Santi, SST., M.Kes
   5. Etty Yuniarly, SST., MPH
   6. Haryono, SKM., M.Kes
   7. Trubus Basuki, AMd
   8. Bakti Irianto

6. Registration
   1. Drs. Harya Kunjana
   2. Narto, BE., STP., MP
   3. Siti Hani Istiqomah, SKM., M.Kes
   4. Nuriana Kartika Sari, SST
   5. Suhardjono, S.Pd., S.SiT., M.Kes

7. Logistics
   1. Tjarono Sari, SKM., M.Kes
   2. Puti Sudarwati, S.Si
   3. Sukarti, SIP

8. Decoration, Place
   1. Suharyana, SKM
   2. Purwanto

9. Documentation
   1. Heri Purwanto, SE
   2. Harsono, AMd.
   3. Abdul Hadi Kadarusno, SKM., MPH

10. Transportation
    1. Tri Widodo, AMd
    2. Agus Pamuji
    3. Giyanto
THE IMPORTANCE OF ASSISTANCE TO CANCER PATIENTS WITH MENTAL DISORDER

Muhammad Raftaz Kayani\textsuperscript{1*}, Jenita DT Donsu\textsuperscript{2*} \textsuperscript{1}Department of Physics Islamabad Model College H-9 Islamabad, Pakistan \textsuperscript{2}Health Polytechnic of Health Ministry, Yogyakarta, Indonesia Email: kayani4u@gmail.com

ABSTRACT

Over the past twenty-five years, psychiatric services have shifted from hospital to community. Managed care reinforces this trend. Mental illness is better understood and less stigmatized, and services are more commonly used. But many in need do not receive care consistent with evidence-based standards, or at all. Cancer patients with mental disorders are very important to get mentoring. The purpose of this study is accompany cancer patients with mental disorders. Research method: Qualitative data collection methods were performed on 5 patients with cancer who experienced mental disorders, using open-ended questions and literature studies. In the results of the study is cancer patients with mental disorders desperately need assistance in following various treatment programs. Chemotherapy is one of the treatment programs that are often overlooked if there is no accompaniment. It can be concluded that \textbf{Cancer patients with mental disorders may follow all treatment programs recommended by doctors. Patients can not run a treatment program properly without counseling.}

\textbf{Keywords:} Assistance, cancer, patients, mental, disorder

INTRODUCTION

Over the past twenty-five years, psychiatric services have shifted from hospital to community. Managed care reinforces this trend. Mental illness is better understood and less stigmatized, and services are more commonly used. But many in need do not receive care consistent with evidence-based standards, or at all. The researchers used the global point prevalence rate of 7.3% for anxiety disorders, 3.2% for depression in men, and 5.5% for depression in women. For countries in crisis, the burden of mental health illness might be higher. In Nepal, a decade-long armed conflict was responsible for more than 10,000 deaths, and displacement of more than 100,000 people between 1996 and 2006. Cancer patients with mental disorders are very important to get mentoring. Mental distress can impair treatment processes and outcomes, such as adherence to treatment recommendations, satisfaction with care, and quality of life. Mental health is just as important as a healthy body. Caring for oneself at a time of cancer treatment may be difficult.

Earlier research suggests poorer outcome of cancer care among people with severe mental illness. Integrated medical and psychiatric care is needed to improve outcomes of cancer care among patients with mental disorder. Being diagnosed with cancer is a stressful, life-changing event that can evoke feelings of fear, worry, sadness, and anger. Depression gives one feelings of hopelessness and helplessness, disinterest in previously enjoyable activities, and a consistently down and sad mood. Depression often interferes with one’s ability to work, sleep, eat, and enjoy life. Patients with cancer are especially at risk for depression.
because of the physical changes and limitations from symptoms and treatment as well as of the uncertainty their treatment holds on their lives.  

Mortality rates in psychiatric patients are much greater than in the general population, including Nordic countries where longstanding egalitarian health and welfare policies might be expected to facilitate treatment access. Chronic physical disorders such as cardiovascular disease and cancer are the main cause, accounting for 10 times the absolute numbers of suicide in one study but receiving far less attention. In cancer, overall mortality is higher in psychiatric patients, even though the incidence is similar to that in the general population. The disparity between incidence and mortality is most marked for several common sites such as prostate and colorectal cancers. Possible explanations might be delayed diagnosis or lack of access to screening, leading to more advanced staging at diagnosis, and reduced access to or use of appropriate treatments after diagnosis.

The purpose of this study was to provide a more useful understanding of the actions to be performed by doctors during a treatment program of cancer patients with mental disorders. Assistance is expected to accelerate the healing of patients so as to not experience any complications that are likely to occur.

METHODS

Qualitative data collection methods were performed on 5 patients with cancer who experienced mental disorders, using open-ended questions and literature studies.

RESULT

Cancer patients with mental disorders desperately need assistance in following various treatment programs. Chemotherapy is one of the treatment programs that are often overlooked if there is no accompaniment.

We found excess mortality in people with a history of psychotic and substance use disorders. Cancer stage and comorbidity did not explain mortality differences. Controlling for cancer treatment decreased the differences. The mortality gap between patients with psychosis and cancer patients without mental disorder increased over time.

Support groups, led by a social worker, clinical therapist, psychiatrist, or psychologist, can be helpful when coping with cancer-related depression.

Although incidence is no higher than in the general population, psychiatric patients are more likely to have metastases at diagnosis and less likely to receive specialized interventions. This may explain their greater case fatality and highlights the need for improved cancer screening and detection.

Increased financial burden also as a result of cancer care costs is the strongest independent predictor of poor quality of life among cancer survivors.

CONCLUSIONS

Cancer patients with mental disorders may follow all treatment programs recommended by doctors. Patients can not run a treatment program properly without counseling.
REFERENCES

1. Kim, J; Lim, S; Yul Ha Min; Yong-Wook Shin; Lee, B; Sohn, S; Hae Jung; Jae-Ho Lee; Ho Son, B; Ahn, S.H; Soo-Yong Shin; Lee, J.W. Depression screening using daily mental-health ratings from a smartphone application for breast cancer patients. Journal of Medical Internet Research. 2016; 18 (8)


