45th MYANMAR HEALTH RESEARCH CONGRESS
Department of Medical Research
No.5, Ziwaka Road, Dagon Township, Yangon, Myanmar

INAUGURAL SESSION
Department of Medical Research
No.5, Ziwaka Road, Dagon Township, Yangon

9th January, 2017
Auditorium (2) Advanced Molecular Research Centre
08:30hr Inaugural speech by
H.E. Dr. Myint Htwe
Union Minister
Ministry of Health and Sports
09:00hr Refreshments

ACADEMIC SESSION
Department of Medical Research
No.5, Ziwaka Road, Dagon Township, Yangon

Day 1
Day 1 (Auditorium-1) Morning Session

Chairpersons: H.E. Dr. Myint Htwe
Union Minister
Ministry of Health and Sports
Dr. Kyaw Zin Thant
Director General
Department of Medical Research

10:00-10:20 Paper-1
Diet consumption pattern of primary school children from four geographical
regions of Myanmar
Moh Moh Hlaing, Mya Ohnmar, Sandar Tun, Myat Myat Thu, Thidar Khine,
Wah Wah Win, Su Su Hlaing, Hla Phyo Linn and Yin Yin Aye

10:20-10:40 Paper-2
Heterogeneous prevalence of subclinical malaria measured by ultrasensitive
PCR in Myanmar
Myaing Myaing Nyunt, Kay Thwe Han, Poe Poe Aung, Tin Maung Hlaing,
Si Thura, Myo Min, Hnin Su Su Khin, Win Han Oo and Huang Fang

10:40-11:00 Paper-3
Assessment of utilization of Urban Health Centers in Yangon and Mandalay
Regions
Kyaw Oo, Khin Thet Wai, Yin Thet Nu Oo, Saw Saw, Yadanar Aung,
Kyaw Thu Soe, Su Latt Tun Myint and Wai Wai Han

11:00-11:20 Paper-4
Pilot study on newly developed botanical larvicides and repellents against
Aedes mosquitoes in Myanmar
Htin Zaw Soe, Sein Min, Maung Maung Mya, Khine Khine Lwin, Aye Win Oo
and Myat Khine

11:20-11:40 Paper-5
The distribution of HLA-A alleles frequencies in 8 major ethnic groups of
Myanmar
Zin Zin Thu, Win Shwe Zin, Than Hteik, Thandar Tun, Myat Myat Hnin,
Kyinlannyar, Yu Yu Kyaw, Ko Ko Zaw and Hiroh Saji
Day 1 (Auditorium-1) Afternoon Session (1)

Chairpersons: Professor Dr. Thet Khaing Win  
Permanent Secretary  
Ministry of Health and Sports  

Professor Dr. Myint Han  
Director General  
Department of Medical Services

13:00-13:20  
Paper- 6  
Determination of insecticide resistance in dengue vector upon selection pressure with malathion  
Mya Nilar Chawsu, Yi Yi Mya, Naw Hnin Myint, Tun Tun Win, Si Si Aung and ThanThan Htwe

13:20-13:40  
Paper- 7  
Molecular characterization of dengue 1 virus affecting adults admitted to Yangon General Hospital, Myanmar  
Hlaing Myat Thu, Theingi Win Myat, Aung Zaw Latt, Khin Saw Than, Hlaing Mya Win, Zaw Than Tun, Thida Kyaw and Kyaw Zin Thant

13:40-14:00  
Paper- 8  
Clinical characteristics of dengue haemorrhagic fever in the adults and adolescents  
Ne Myo Aung, Myo Lwin Nyein, Mar Mar Kyi and Cho Cho Khine

14:00-14:20  
Paper- 9  
Knowledge on dengue haemorrhagic fever and larva survey in urban area of Thanbyuzayat Township, Mon State  
Phyo Aung Naing, Yan Naung Maung Maung, Thae Maung Maung, Mya Thandar, Maung Maung Mya, Aung Pyae Phyo and Cho Thet Khine

14:20-14:40  
Paper- 10  
Msp1 and msp2 Allelic distribution among falciparum malaria patients at No. (1) Defence Services General Hospital  
Khine Zaw Oo, Myo Thant, Thet Maung Oo, Khine Khine Su, Khin San San, Khin Phyu Pyar, Thein Zaw and Tin Maung Hlaing

Day 1 (Auditorium-1) Afternoon Session (2)

Chairpersons: Professor Dr. Soe Lwin Nyein  
Director General  
Department of Public Health  

Professor Dr. Khaymar Mya  
Pro-Rector  
University of Public Health

15:00-15:20  
Paper- 11  
Towards water safety plan and prevention of non-communicable diseases: Multiple risk behaviors as challenges for strengthening primary health care in township health systems  
Khin Thet Wai, Thae Maung Maung, Phyoe Aung Naing, Kyaw Lwin Show, Kyaw Min Htut, Moe Thida and Young Hee Min

15:20-15:40  
Paper- 12  
Factors influencing the choice of place of delivery and attendants in selected remote area of Myanmar  
Nay Chi Htet Htet Lin Aung, Hla Hla Win, Khaing Nwe Tin, Pa Pa Soe and Thae Maung Maung

15:40-16:00  
Paper- 13  
Out of pocket expenditure on maternal and child health care services among rural households in a selected township, Myanmar  
Wai Wai Han, Saw Saw, Hla Mya Thway Einda, Nyi Nyi Zayar, Phyoe Phyu Aye, Hnin Lae Yi Khaing and Myo Thurein Latt
16:00-16:20  How social norms limited health services for rape survivors: why health services for rape survivors still unmet need?  
Su Su Yin, Philippe Doneys, Donna L. Doane and Grunbuhel Clemens

16:20-16:40  Optimizing the role of auxiliary midwives in Myanmar: feasibility and acceptability of task shifting essential maternal and newborn health interventions  
Kyu Kyu Than, Thazin La, Thandar Aye, Tin Tin Wai, Theingi Myint, Saw Saw, Alison Morgan and Stanley Luchters

16:40-17:00  Understanding the public health system in Rakhine State, Myanmar: Towards inclusive health service provision  
Thaung Hlaing, Allison Gocotano, Jorge Mario Luna, Maung Maung Ye Zin Zin, Thiha Aung and Aung Thurein

Day 2  
Day 2 (Auditorium-1) Morning Session (1)  

Chairpersons:  
Dr. Tin Tin Lay  
Director General  
Department of Human Resources for Health  
Professor Dr. Aye Tun  
Rector  
University of Medicine, Magway

8:30-8:50  Screening of microalbuminuria and estimated glomerular filtration rate in type 2 diabetes mellitus for early detection of renal dysfunction  
Khin Aye Thin, Aye Aye Khin, Win Kalayar Kyaw, Myat Su Mon Zaw and Ei Ei Mon Aung

8:50-9:10  Metabolic risk factors and associated morbidities among adult urban people in Pyin Oo Lwin Township  
Khin Moe Aung, Myint Myint Khaing, Nyein Nyein Thaung, Nanda Ko, Aye Min Maw, Myitzu Tin Oung, Kyaw Thu and Win Aung

9:10-9:30  Selective non-communicable diseases risk factors status of female school teachers from Dagon Myothit (North) Township in Yangon, Myanmar  
Khin Mittar Moe San, Umi Fahmida, Fiastuti Wijaksono, Htin Lin, Ko Ko Zaw and Min Kyaw Htet

9:30-9:50  Awareness and practice of type-2 diabetic patients on healthy diabetic diet: A preliminary study in selected general practitioners’ clinics in Yangon  
Mya Win Hnit, Wanna Tun, Tin Myo Han, Lwin May Oo, Tin Tin Hla, Win Zaw and Khine Soe Win

9:50-10:10  Potential risk factors of cardiovascular diseases among adolescent students at two selected schools in Yangon  
Sandar Kyi, Win Lai May, Han Win, Aye Tha, Aung Aung Maw, Kyu Kyu San, Ni Ni Aye, Dam Lian Pau and Khin Thet Mon
Day 2 (Auditorium-1)  
**Morning Session (2)**

**Chairpersons:**  
Dr. Than Htut  
Professor Dr. Zaw Lin Aung  
Director General  
Professor/ Head  
Department of Food and Drug  
Department of Medicine  
Administration  
University of Medicine 1, Yangon

10:25-10:45  
**Paper- 22**  
**Monitoring of water quality in Inle lake, Myanmar**  
Mayuko Yagishita, Mya Thandar, Takehiro Suzuki, Tin Tin Win Shwe, Daisuke Nakajima and Nay Soe Maung

10:45-11:05  
**Paper- 23**  
**Quantification of heavy metals in white rice and brown rice from Tha-baung Township**  
Phyo Wai Zin, Khin Phyu Phyu, San San Htwe, Mya Malar, Tin Tin Han, Khin Moe Latt, Ohnmar Win, Aye Thida Tun and Thet Htet Aung

11:05-11:25  
**Paper- 24**  
**Trend of acute poisoning cases admitted to Poison Treatment Centre, New Yangon General Hospital (2011 to 2015)**  
Min Wun, Saw Aung Moe Aye, Nyunt Thein, Zaw Lynn Aung, Moe Moe Aye, Thiri Aung, Kyi Kyi Myint, Phy Phy Aye and Thin Thin Hlaing

11:25-11:45  
**Paper- 25**  
**Plasma malondialdehyde level and vibration perception threshold in non-exposed subjects and lead-exposed battery workers**  
Thura Tun Oo, Zaw Linn Thein, Zarli Thant and Ohnmar

11:45-12:05  
**Paper- 26**  
**The effect of mirror therapy in stroke patients with left visual hemineglect**  
Phyu Phyu Aung, Khin Saw Oo and Khin Myo Hla

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**Day 2 (Auditorium-1)  
Afternoon Session (1)**

**Chairpersons:**  
Brig. General Tin Maung Hlaing  
Dr. Khin Lin  
Commandant Officer  
Deputy Director General (Retired/Expert)  
Defense Services Medical Research Centre  
Department of Medical Research

13:00-13:20  
**Paper- 27**  
**Antibody kinetic of falciparum and vivax malaria merozoite surface protein 1 among the local residents in Myanmar Artemisinin Resistance Containment Zone I**  
Myat Htut Nyunt, Myat Phone Kyaw, Thinzar Shein, Soe Soe Han, Ni Ni Zaw, Kyaw Zin Thant and Eun-Taek Han

13:20-13:40  
**Paper- 28**  
**Determination of in vitro artesunate sensitivity against Plasmodium falciparum in Shwe Kyin Township, Bago Region.**  
Myo Win Htun, Kay Thwe Han, Khin May Oo, Wah Win Htike, Than Than Su, Thi Thi Htoo and Kyin Hla Aye

13:40-14:00  
**Paper- 29**  
**Therapeutic efficacies of two different ACT and their relation to K13 mutations in sentinel sites of Myanmar**  
Kay Thwe Han, Khin Lin, Moe Kyaw Myint, Aung Thi, Kyin Hla Aye, Zay Yar Han, Maria Dorina Bustos, Pascal Ringwald and Myaing Myaing Nyunt
14:00-14:20 Efficacy of Chloroquine in vivax malaria in adults in Homalin
Paper- 30 Khin Phyu Pyar, Sai Aik Hla, Soe Win Hlaing, Chan Aye Aung, Aung Phyoe Kyaw and Tin Maung Hlaing

14:20-14:40 Compliance of service providers from private and NGO sectors in prescribing Primaquine according to national anti-malarial treatment guideline in selected townships in Myanmar
Paper- 31 Myo Kyaw Lwin, Kyaw Zay Ya, Su Yee Mon, Wai Hlaing Soe, Sai San Moon Lu and Aung Thi

Day 2 (Auditorium-1) Afternoon Session (2)

Chairpersons: Dr. Myat Phone Kyaw Col. Professor Khin Phyu Pyar
Deputy Director General (Retired) Senior Head
Department of Medical Research Defense Services General Hospital

15:00-15:20 Study on panorama of border malaria in Ta-mu Township
Paper- 32 Khin Lin, Moe Kyaw Myint, Aung Thu, Mya Moe, Win Aung and Kyaw Zin Thant

Paper- 33 Si Thura, Aung Thi, Myat Phone Kyaw, Kay Thwe Han, Phyo Maung Maung, Christopher V. Plowe, Adam Richard, Tom Lee and Myaing Myaing Nyunt

15:40 -16:00 Efficacy and safety of three artemisinin-based combination therapies for Plasmodium falciparum along the Myanmar-China and Myanmar-India border areas
Paper- 34 Moe Kyaw Myint, Tin Oo, Aung Thi, Khin Thet Wai, Dorina Bustos, Pascal Ringwald, Charlotte Rasmussen and Khin Lin

16:00-16:20 Ownership and utilization of insecticide-treated bed nets among migrant population in the Myanmar Artemisinin Resistance Containment (MARC) areas
Paper- 35 Thae Maung Maung, Jaya Prasad Tripathy, Tin Oo, Khin Thet Wai, Than Naing Soe, Swai Mon Oo and Aung Thi

16:20-16:40 Real-time quality assurance of malaria surveillance data in Myanmar and its border with China
Paper- 36 Poe Poe Aung, Zaw Win Thein, Hnin Wai Lwin, Kay Thwe Han, Huang Fang, Janie Anne Zuber, Christopher V Plowe, Kayvan Zainabadi and Myaing Myaing Nyunt
Day 2 Parallel Session
Day 2 (SRC Lecture Theatre)  Morning Session (1)
Chairpersons:  Professor Dr. Mya Thida  Professor Dr. San San Myint
              Professor/ Head (Retired/Advisor)  Professor/ Head
              Department of Obstetrics and  Department of Obstetrics and
              Gynaecology  Gynaecology
              University of Medicine 1, Yangon  University of Medicine 1, Yangon
8:30-8:50  Different types of anaemia in pregnancy
Paper- 37  Ei Myat Nwe, Zaw Myint Thein, Mya Thida and San San Myint
8:50-9:10  Effectiveness and safety of postplacental and early postpartum insertion of
Paper- 38  intrauterine contraceptive device
          Thiri Htun, Aye Aye Than, Myint Thet Mon, Mya Thida and San San Myint
9:10-9:30  Cervical cytological patterns of women living in Suburban area of Magway
Paper- 39  Township
          Myat Pyone, Phyu Phyu Myint Tun and San San Myint
9:30-9:50  A comparative study on effect of sublingual versus vaginal Misoprostol in
Paper- 40  management of first trimester miscarriage in Magway Teaching Hospital
          Thin Thin Aye, Khin Latyar Aung and San San Myint
9:50-10:10 Determinants of utilization of antenatal care services among women in
Paper- 41  Kungyangone Township, Myanmar
          May Myo Kywe, Saw Saw, Mya Thida, Win Win Mya and San San Myint

Day 2 (SRC Lecture Theatre)  Morning Session (2)
Chairpersons:  Professor Dr. Aye Aung  Dr. Kyaw Oo
              Rector (Retired/ Expert)  Deputy Director General
              University of Medicine 2, Yangon  Department of Human Resources
              for Health
10:25-10:45 Baseline practices and coverage of maternal newborn and child health care in
Paper- 42  Kanpetlet Township, Southern Chin State, Myanmar
          Thida, Nyein Nyein Thaung, Kyaw Oo, Kyaw Ko Ko Htet, Phyu Phyu Thin Zaw
          and Win Aung
10:45-11:05 Maternal, newborn and child health care practices among mothers from Paletwa
Paper- 43  Township in Southern Chin State, Myanmar
          Kyaw Thu Soe, Yadanar Aung and Kyaw Oo
11:05-11:25 Mindfulness-integrated reproductive health package for adolescents with
Paper- 44  parental HIV infection: A group randomized-controlled trial
          Myo Myo Mon, Kyaw Min Htut, Htun Nyunt Oo, Wai Wai Myint, Lwin Lwin Ni,
          Aung Soe Min and Ni Ni Htay Aung
11:25-11:45 Promoting key family practices of common childhood illnesses among mothers
Paper- 45  with under-five children in selected military communities
          Ni Ni Aung and Kay Thi Tun
11:45-12:05  Women’s pathways to postabortion care in three regions of Myanmar

Paper- 46  
Ni Ni, Cheri Poss, Tin Lei Lei Aung, Thwe Thwe Win, Myint Thu Lwin, Sally Dijkerman, Jamie Menzel and Kathryn Andersen

Day 2 (SRC Lecture Theatre)  

Afternoon Session (1)

Chairpersons: Professor Dr. Soe Aung  
President  
Oncology Society  
Myanmar Medical Association

Professor Dr. Htun Lwin Nyein  
Department of Clinical Haematology  
University of Medicine 1, Yangon

13:00-13:20  
Genotypic analysis of Epstein–Barr virus (EBV) in nasopharyngeal carcinoma patients in Myanmar

Paper- 47  
Moh Moh Htun, Chaw Su Hlaing, Myat Mon Oo, Kay Thi Aye, Aung Zaw Latt, Soe Aung, Hlaing Myat Thu, Khin Pyone Kyi and Kyaw Zin Thant

13:20-13:40  
Population-based cervical cancer prevention in Myanmar: Evaluation of a pilot program

Paper- 48  
Cynthie Tinoo, Ohnmar Thin, Mon Mon, Theingi Myint, Khin Tar Tar and Daniel B. Fishbein

13:40-14:00  
Alcohol drinking as a major risk factor for gastric malignancies in Chin State

Paper- 49  
Swe Zin Linn, Soe Oo, Hnin Pa Pa Khine and Kyaw Oo

14:00-14:20  
Role of flow cytometric immunophenotyping in diagnosis of multiple myeloma

Paper- 50  
San San Htwe, Htun Lwin Nyein, Aye Mya Khine, Khin La Pyae Tun, Win Pa Pa Naing, Ni Ni Win, Moe Thuzar Min, Sein Win and Khin Saw Aye

14:20-14:40  
Knowledge and practices on leukemia disease among caregivers of childhood leukemia patients attending Haemato-Oncology follow-up clinic at Yangon Children Hospital

Paper- 51  
Aye Mya Khine, Win Pa Pa Naing, Khin La Pyae Tun, Wai Wai Han, Aye Aye Khine, Htaik Tint Tun, Ni Ni Win and Moe Thuzar Min

Day 2 (SRC Lecture Theatre)  

Afternoon Session (2)

Chairpersons: Professor Dr. Rai Mra  
President  
Myanmar Medical Association

Professor Dr. Htin Aung Saw  
Professor/ Head (Retired)  
Department of Tropical Medicine  
University of Medicine 2, Yangon

15:00-15:20  
Contribution and constraints for the involvement of people living with HIV in HIV prevention and control activities: A qualitative study at Mandalay Region

Paper- 52  
Kyaw Thu Soe, Than Win, Zaw Zaw Aung, Yadanar Aung, Thida Aung and Thura Ko Ko

15:20-15:40  
Anemia, immunologic status and rate of mortality among HIV infected children on Antiretroviral Therapy

Paper- 53  
Khaing Lay Mon

15:40-16:00  
Determinants of treatment adherence in patient with HIV/AIDS taking Antiretroviral Therapy at Insein General Hospital

Paper- 54  
Aung Ko Lwin, Aye Thida Htun and Thidar Aung
16:00-16:20  
**Paper- 55**  
Preliminary study of mutations within Enhancer II and BCP Regions of Hepatitis B Virus in hepatocellular carcinoma patients  
*Yi Yi Kyaw, Hnin Ohmar Soe, Naing Naing Htun, Ohmar Lwin, So Young Kim, Wai Myat Thwe, Win Naing and Jae Hun Cheong*

16:20-16:40  
**Paper- 56**  
Sero-prevalence of hepatitis B and C viral infections among haemodialysis patients in 500 bedded Yangon Specialty Hospital  
*Aye Aye Lwin, Kyi May Htwe, Nan Cho Nwe Mon, Khin Than Maw, Khaing Zar Win, Chuu Pwint Phyu, Moh Moh Hlaing, Khin Thidar Thwin and Khin Saw Aye*

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**Day 3**

**Day 3 (Auditorium-1) Morning Session (1)**

**Chairpersons:**  
Professor Dr. Myat Thandar  
Rector  
University of Nursing, Yangon  

Professor Dr. Ye Myint Kyaw  
Department of Paediatrics  
University of Medicine 1, Yangon

8:30-8:50  
**Paper- 57**  
Phylogenetic analysis of Myanmar human respiratory syncytial virus from under five children with acute respiratory infection admitted to Yangon Children Hospital  
*Kay Thi Aye, Aung Zaw Latt, Theingi Win Myat, Sandar Aung, Wah Wah Aung, Ye Myint Kyaw, Hlaing Myat Thu and Kyaw Zin Thant*

8:50-9:10  
**Paper- 58**  
Molecular detection of human rhinoviruses in children with influenza-like illness attending Yangon Children Hospital, 2016  
*Htin Lin, Hlaing Myat Thu, Theingi Win Myat, Win Mar, Khaing Moe Aung, Khin Khin Oo, Khin Sandar Aye, Thida Kyaw and Ye Myint Kyaw*

9:10-9:30  
**Paper- 59**  
Common bacterial pathogens among Myanmar children with acute respiratory tract infection  
*Thi Thi Htoon, Nan Aye Thida Oo, Wah Wah Aung, Hlaing Myat Thu, Mon Mon, Wah Win Htike, Htay Htay Tin and Kyaw Zin Thant*

9:30-9:50  
**Paper- 60**  
Influence of electrical ionic field exposure on red cell deformability, resting metabolic rate and insulin sensitivity in obese adult females  
*Khin Mi Mi Lay, Ohnmar, Nway Htike Maw, Pyae Phyo Kyaw, Sandar Win, Htike Htike Soe, Htet Htet Lwin, Kyi Kyi Htwe and Theingi Thwin*

9:50-10:10  
**Paper- 61**  
Nurturing experiences of care providers of institutionalized children at Training School for Boys, Thanlyin  
*Thae Hnin Soe, Naw Clara and Khin Sandar Tun*

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**Day 3 (Auditorium-1) Morning Session (2)**

**Chairpersons:**  
Professor Dr. Htin Zaw Soe  
Rector  
University of Community Health  

Professor Dr. Than Win Nyunt  
Department of Geriatrics  
University of Medicine 1, Yangon

10:25 -10:45  
**Paper- 62**  
Awareness on symptoms, complications and preventive health behaviours of menopause among women in Insein Township  
*May Lei Lei Oo, Cho Mar Kaung Myint, Su Htar Lwin and Khaing Lay Mon*
10:45-11:05  What, how and why they drink? : Drinking of alcoholic beverages among
youths in Twantay Township
Aung Pyae Phyo, Pa Pa Soe, Saw Saw and Phyo Aung Naing

11:05-11:25  Physical fitness of the elderly at the Home for the Aged (Hninzigone), Yangon
Khin Mi Mi Lay, Nway Htike Maw, Pyae Phyo Kyaw, Sandar Win,
Khin San Lwin, Htet Htet Lwin, Yi Yi Mon, Lei Lei Win Hlaing and Theingi Thwin

11:25-11:45  Lived experiences of senior citizens attending at Day Care Center for the Aged
in Yangon: A Phenomenological approach
Khin Aye Aye Mon, Nyein Nyein Kyawt Aung and Hla Hla Aye

11:45-12:05 Detection of metabolic-based resistance against pyrethroids in Aedes aegypti
from selected areas in Mandalay
Yi Yi Mya, Mya Nilar Chaw Su, Naw Hnin Myint, Than Myat Soe, Tun Tun Win,
Than Than Htwe, Si Si Aung, Nwe Nwe Aye and Mie Mie Sein

Day 3 (Auditorium-1)  Afternoon Session (1)

Chairpersons:  Professor Dr. Ne Win
Professor Dr. Myint Myint Nyein
Director (Retired)
Professor/ Head
National Health Laboratory
Department of Pathology
University of Medicine 1, Yangon

13:00-13:20  Urinary albumin to creatinine ratio and the degree of coronary artery narrowing
in patients undergoing coronary angiography
Khine Wai Mon, Saw Wut Hmone, Myint Myint Nyein and Myat Mon

13:20-13:40  Ki-67 immunoexpression in gestational trophoblastic diseases
Nyein Nyein Soe, Saw Wut Hmone, Myint Myint Nyein and Myat Mon

13:40-14:00  Immunodetection of Human Epidermal Growth Factor Receptor 2 (HER2)
overexpression in carcinoma breast
Aye Myat Mon, Aye Aye Khin and May Than Naing

14:00-14:20  Immunoexpression of pan-cytokeratin and leucocyte common antigen in
common malignant nasopharyngeal tumors
Phyo Thu San, Htay Hla, San San Hlaing, Khin Khin Phyu, Thandar Khing and
Saw Nu Nu Hlaing

Day 3 (Auditorium-1)  Afternoon Session (2)

Chairpersons:  Professor Dr. Zaw Wai Soe
Professor Dr. Myint San Nwe
Rector
Professor/ Head
University of Medicine 1, Yangon
Department of Anatomy
University of Medicine 1, Yangon

14:40-15:00  Immunohistochemical expression of C-Kit (CD117) in interstitial cells of Cajal
in the myenteric plexus of fundus and pyloric antrum of human fetal stomach
Hnin Ei Hlaing, Myint San Nwe and Suu Sanda Aye

15:00-15:20  Satellite cells of adult human skeletal muscle with M-Cadherin immuno-
histochemical expression in autopsy cases
Thu Thu Ohn Myint, Myint San New and Zaw Zaw Latt
15:20-15:40 Paper- 73 CD117 immunohistochemical expression in Telocytes within the cholelithiasis and stone-free human adult gall bladders
Zaw Ye Myint, Myint San Nwe and Saw Sandar Thane

15:40-16:00 Paper- 74 Immunohistochemical Expression of Ki - 67 proliferation associated nuclear antigen in the ductal cells of human fetal pancreas
Aye Aye Mon, Myint San Nwe and Soe Soe Thein

Day 4
Day 4 (Auditorium-1) Morning Session (1)

Chairpersons: Dr. Yi Yi Myint
Director General
Department of Traditional Medicine

Professor Dr. Nu Nu Aye
Professor/ Head
Department of Pharmacology
University of Medicine 2, Yangon

8:30-8:50 Paper- 75 Hepatoprotective activity of Tinospora cordifola Miers. stem on Carbon tetrachloride (CCl₄) induced hepatotoxicity in albino rats
Khine Khine Lwin, Mu Mu Sein Myint, Moh Moh Htun, Khin Phyu Phyu, Win Win Maw, Phyu Phyu Win, Nu Nu Win, Myint Myint Khine and San San Myint

8:50-9:10 Paper- 76 Hypoglycemic effect of Terminalia chebula Retz. (Phan-kha-thee) on diabetic albino rat models
Ei Pye Phyo Aung, Shin Hnaung Lwin, Nu Nu Aye and Khin Phyu Phyu

9:10-9:30 Paper- 77 Hepatoprotective effect of ethanolic extract of Andrographis paniculata Nees. (say-gha-gyi) leaves on paracetamol-induced hepatotoxicity in albino rats
Ei Mon Mon Hlaing, Myint Myint Than, Khin Phyu Phyu and Nu Nu Aye

9:30-9:50 Paper- 78 Effect of omeprazole on pharmacokinetics of metformin in healthy volunteers
Ei Ei Aung, Khine Khine Lwin, Nu Nu Aye and Thein May Saw

Khin May Thi, Saw Myat Thwe, Soe Myint Aye, Aye Thida Htun, Ei Ei Htway, Moh Moh Lwin, Rai Kit, Aye Aye Phyu and Win Aung

Day 4 (Auditorium-1) Morning Session (2)

Chairpersons: Professor Dr. San San Nwet
Rector
University of Pharmacy, Yangon

Professor Dr. Nang Hla Hla Win
Professor/ Head
Department of Pharmacology
University of Medicine 1, Yangon

10:25-10:45 Paper- 80 Effect of Cephalexin on pharmacokinetics of Metformin in healthy volunteers
Myo Nanda Aung, Nu Nu Aye, Shin Hnaung Lwin, Khine Khine Lwin, Ei Ei Soe and Aye Zarni

10:45:11:05 Paper- 81 Standardization, safety evaluation and anti-diarrhoeal activity of unripe fruit of Aegle marmelos L. (Rutaceae)
Khin Tar Yar Myint, Khine Khine Lwin, Mu Mu Sein Myint, Mi Mi Htwe, Myint Myint Khine, Phyu Phyu Win, Mar Mar Myint, San San Myint and Khin Phyu Phyu
11:05-11:25  Paper-82  Determination of effect of Omega-3 fatty acid with Atorvastatin treatment on combined hyperlipidaemic patients  
Zaw Hlaing Oo, Zaw Min Htun, Aung Zay Hein and Tin Maung Hlaing

11:25-11:45  Paper-83  Effect of Erythromycin on pharmacokinetics of Cyclosporine in healthy myanmar volunteers  
Su Mon Thwe, Yin Mon Thwe, Nang Hla Hla Win and Aye Pwint Phyu

11:45-12:05  Paper-84  Effects of dry Calyx of Hibiscus sabdariffa Linn. (Chin-baung-ni) on serum lipid profile and serum uric acid in hyperlipidemic subjects  
May June Hsann, Lwin Moe May and Nang Hla Hla Win

Day 4 (Auditorium-1)  
Chairpersons:  Professor Dr. Thein May Saw  
Professor/ Head  
Department of Pharmacology  
University of Medicine, Mandalay

Afternoon Session (1)

Professor Dr. Yee Yee Tin  
Professor/ Head  
Department of Pharmacology  
University of Medicine, Magway

13:00-13:40  Paper-85  Quantitative analysis of Paracetamol and Orphenadrine Citrate from new product, market samples and in human serum  
Khaing Mon Aye, Kin Thane Oo, Myo Myint, Aung Kyaw Moe and Aung Zaw

13:20-14:00  Paper-86  Blood glucose lowering effect of seed of Luffia acutangula (Linn.) Roxb. (Kha-We) on adrenaline induced acute hyperglycemic albino rats  
Swe Swe, Win Myint, Ei Ei Htway, Kyi Kyi Oo, Swe Zin Aung, Aye Aye Phyu, May Thandar Htun, Rai Kit and Win Aung

13:20-14:00  Paper-87  Lipid lowering effect of Ziziphus jujuba Lam. (Zee-Chin) fruit in borderline hypercholesterolemic human volunteers  
Nyein Chan Pyae, Myat Min and Yee Yee Tin

14:00-14:20  Paper-88  Effect of different room temperature conditions on breeding performance of icr strain mouse  
Sandar Lin, Aye Win Oo, Htay Yee, Kyaw Kyaw Wai, Nyunt Nyunt, Than Tint, Aye Aye Shwe, Thida and Win Aung

14:20-14:40  Paper-89  Comparative study on the growth of weaning laboratory rats (Wistar strain) using different formulated diet feed  
Htay Yee, Aye Win Oo, Sandar Lin, San San Aye, Nyunt Nyunt, Thet Htar Hlaing, Kyawt Kyawt Khaing, Thida and Win Aung

Day 4 (Auditorium-1)  
Chairpersons:  Dr. Win Aung  
Deputy Director General (Retired)  
Department of Medical Research  
University of Medicine 1, Yangon

Afternoon Session (2)

Professor Dr. Theingi Myint  
Pro-Rector  
University of Medicine 1, Yangon

15:00-15:20  Paper-90  Determination of antioxidant activities, bioactive components and minerals content of Foeniculum vulgare (fennel) seeds  
Lei Lei Win, Ei Ei Htway, Aye Min Maw, Kyawt Kyawt Khaing, Aung Thura, Aye Aye Phyu, Thandar Myint Thaw, Swe Swe and Win Aung
15:20-15:40 Paper-91  
Serum zinc level and erythrocyte superoxide dismutase activity in patients with type 2 diabetes mellitus complicated with nephropathy  
Ye Win Htun, May Pyone Kyaw, Kyu Kyu Maung and Aye Thidar

15:40-16:00 Paper-92  
Serum zinc and retinol levels in apparently healthy adolescents  
Phyu Phyu Khin, Kyu Kyu Maung and Than Than Soe

16:00-16:20 Paper-93  
Detection of Russell’s viper (Daboia siamensis) venom concentration in experimental envenomation animals’ blood by ELISA method  
Thet Thet Mar, Win Aung, Zaw Myint, Aye Win Oo, Tin Ko Ko Oo, Lwin Zar Maw and Nwe Ni Aung

Day 5
Day 5 (Auditorium-1) Morning Session (1)

Chairpersons:  
Professor Dr. Wah Win Hteik  Professor Dr. Win Win Maw  
Professor/ Head  Professor/ Head  
Department of Microbiology  Department of Microbiology  
University of Medicine 1, Yangon  University of Medicine 2, Yangon

8:30-8:50 Paper-94  
Fluoroquinolone resistance among drug resistant Mycobacterium tuberculosis isolates from Yangon and Mandalay Region, Myanmar  
Phyu Win Ei, Wah Wah Aung, Jong Seok Lee, Wint Wint Nyunt, Thyn Lei Swe, Mi Mi Htwe, Su Mon Win, Hye Young Lee and Chulhun L Chang

8:50-9:10 Paper-95  
Urinary lateral flow lipoarabinomannan (LF-LAM) test in prediction of TB in HIV infection  
Ne Myo Aung, Mar Mar Kyi, Swe Swe Thit, Josh Hanson, Mark Boyd and Htin Aung Saw

9:10-9:30 Paper-96  
Antimicrobial resistance of Vibrio cholerae among patients admitted for acute watery diarrhea in hospitals of Mandalay City  
Saw Myat Thwe, Kay Thwe Thwe Maung, Moe Kyaw Myint, Cherry Kyaw Win, Yi Yi, Aye Aye Myint and Yi Yi Myint

9:30-9:50 Paper-97  
Bacteriological profile of diabetic wound infections in Yangon General Hospital and New Yangon General Hospital  
Yu Wah Lwin, Mya Mya Aye, Wah Win Htike, Thin Thin Mar, Khine Mar Oo, Than Mya and Thuzar Myint

9:50-10:10 Paper-98  
Phenotypic and genotypic characteristics of Carbapenem-Resistant Enterobacteriaceae among clinical samples from Yangon General Hospital  
Mya Mya Aye, Khwar Nyo Zin, Hpoo Pwint Myo Win, Yu Wah Lwin, Hideharu Hagiya, Shigeyuki Hamada and Moh Moh Htun
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<tr>
<th>Time</th>
<th>Paper</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>10:25-10:45</td>
<td>Paper-99</td>
<td>Molecular detection of group A rotavirus in under five children with acute diarrhea admitted to Yangon Children Hospital</td>
<td>Nang Sarm Hom, Theingi Win Myat, Wah Win Htike, Cho Cho Oo, Khin May Oo, Thinn Thinn Shwe, Win Mar, Thida Kyaw and Khin Khin Oo</td>
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<td>10:45-11:05</td>
<td>Paper-100</td>
<td>Viral pathogens associated with acute lower respiratory infections among hospitalized children in Yangon Children Hospital</td>
<td>Han Win, Htin Lin, Mo Mo Win, Lay-Myint Yoshida, Wah Wah Aung, Ssu Wynn Mon, Hlaing Myat Thu and Ye Myint Kyaw</td>
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<td>11:25-11:45</td>
<td>Paper-102</td>
<td>Clinical severity of rotavirus diarrhoea in relation to molecular characterization of different strains</td>
<td>Kyin Hlaing, Kyaw Zin Wai, Khin Nyo Thein, Ye Myint Kyaw, Myint Myint Than, Ei Ei Shwe, Hlaing Myat Thu, Mo Mo Win and Theingi Win Myat</td>
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<tr>
<td>11:45-12:05</td>
<td>Paper-103</td>
<td>Comparison of clinical and virological characteristics among infants, children and adults with dengue infection during 2015 dengue outbreak</td>
<td>Theingi Win Myat, Hlaing Myat Thu, Ye Myint Kyaw, Khin Saw Than, Hlaing Mya Win, Zaw Than Tun, Htin Lin, Win Kay Khine and Kyaw Zin Thant</td>
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**Day 5 (Auditorium-1) Closing Session**

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<td>12:15-12:30</td>
<td>Closing</td>
<td>By Director General, Department of Medical Research</td>
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BEST PAPERS AND BEST POSTER AWARDING CEREMONY
Department of Medical Research
No.5, Ziwaka Road, Dagon Township, Yangon

13th January, 2017
Auditorium (2) Advanced Molecular Research Centre

15:00hr  Speech by
         H.E. Dr. Myint Htwe
         Union Minister
         Ministry of Health and Sports

15:15hr  Speech by:
         Chairman
         Best Paper and Poster Selection Sub-committee

15:30hr  Awarding:
         • Best Paper for Basic Research
         • Best Paper for Applied Research
         • Best Paper for Health Systems Research
         • Best Poster
         • Young Researcher Award for Basic Research
         • Young Researcher Award for Applied Research
         • Young Researcher Award for Health Systems Research
LIST OF THE POSTERS DISPLAYED

Poster 1  Postprandial hypotension in elderly obese and elderly diabetic women
Zarli Thant, Zaw Lin Thein, Ohnmar Myint Thein, Myat Thandar and Ohnmar

Poster 2  Assessment of erythrocyte magnesium and serum calcium level in postmenopausal women
Nway Htike Maw, Khin Mi Mi Lay, Pyae Phyo Kyaw, Thet Thet Mar, Sandar Win, Khin San Lwin, Htike Htike Soe, Yi Yi Mon and Htet Htet Lwin

Poster 3  Social behavior and related gene expressions in fragile X mental retardation 1 (Fmr1) gene knockout and valproic acid (VPA)-induced autism rat models
Tin Tin Win Shwe and Hidehiro Watanabe

Poster 4  Hepatitis B infection in Human Immunodeficiency Virus infected individuals at Specialist Hospital, Waibagi: Preliminary report on HBV and its markers
Ohmar Lwin, Yi Yi Kyaw, Hnin Ohnmar Soe, Wai Myat Thwe, Myint Myint Mu, Htin Aung Saw, Htun Nyunt Oo and WahWah Aung

Poster 5  Prevalence of abnormal cervical cytology and associated factors among women attending Cervical Cancer Screening Clinic at Department of Medical Research
Nan Cho Nwe Mon, Ohnmar Kyaw, Tin Tin Han, Thazin Myint, May Thazin Hlaing, Khin Sandar Aye, Yin Min Htun, Mu Mu Shwe and Khin Saw Aye

Poster 6  Detection of Aflatoxin B1 in black pepper
Thin Thin Wah, Kyi Kyi Nyein Win, Tin Tin Htwe, May Than Htay, Zin Mi Thein, Nilar, Myo Myo Kyaw and Tin Htet Htet Aung

Poster 7  Relationship between coagulation parameters and disease severity in patients with primary lung cancer
Khin La Pyae Tun, Win Pa Pa Naing, Myo Myint Maw, Aye Mya Khaing, Wai Wai Han, Ni Ni Win, Win Win Mar and Khin Saw Aye

Poster 8  DNA microarray analysis of the hepatocyte of the F1 and F2 generation in C3H mice by gestational arsenite exposure
Takehiro Suzuki and Keiko Nohara

Poster 9  Adolescent exposure to intermediate-frequency magnetic fields affects neurological and immunological biomarkers in young adult male mice
Tin Tin Win Shwe, Shin Ohtani, Naoki Kunugita and Akira Usuiyama

Poster 10 What does not make work and why?: Challenges and possible ways for engaging voluntary health workers into health care systems in Myanmar
Saw Saw, Wai Wai Han, Nyi Nyi Zayar, Lin Yadanar Ko, Pyae Sone Thar, Aye Thida, Myo Myo Mon and Theingi Myint

Poster 11 Salivary alpha amylase activity in normotensive centrally obese adult males and females
Myat Theingi Swe, Mya Thanda Sein and Mya Mya Thwin

Poster 12 Focusing Pyrazinamide resistance in rifampicin resistant Mycobacterium tuberculosis isolates in Myanmar: A hidden issue to be tackled
Wah Wah Aung, Phyu Win Ei, Jong Seok Lee, Wint Wint Nyunt, Thyn Lei Swe, Mi Mi Htwe, Jiim Lee, Si Thu Aung and Chulhun L. Chang
Poster 13  Establishment of in-house production of Phytohaemagglutinin (PHA) reagents for detection of chromosomal disorders
Myat Mon Oo, Zin Mar Soe, Nu Nu Lwin, Hnin Nu Htwe, Kay Thwe Win, Khin Zar Chi Aung, Kyaw Soe, Win Pa Pa Naing and Moh Moh Htun

Poster 14  Quality and quantity assessment of saliva from dental patients with and without oral habits
Thein Tun, Khin Mya Tun, Kyi Pyar Lwin, Kumudra Kyaw, Win Pa Pa Aung, Nandar Aung, Sann Win, Sein Shwe and Zaw Moe Thein

Poster 15  Effect of smoking and alcohol drinking on quality of semen parameters in male partners of subfertile couples
Yee Mon, Cho Cho Myint, Khin Htar Yi and Kyi Kyi Nyunt

Poster 16  Diagnostic role of reprocessing transmission electron microscopy in amelanotic melanoma
Saw Wut Hmone, Takashi Suematsu, Takehiko Koji and Myint Myint Nyein

Poster 17  Anxiety and depression among a group of cancer patients in Myanmar
Myo Khin, Kin May Oo, San Shwe, Le Le Win, Win Pa Pa Naing, Swe Swe Win, Tun Lwin Nyein, Yin Yin Htun and Soe Aung

Poster 18  Soil-transmitted helminthiasis among Myanmar elementary school children residing in Yangon Region
Thi Thi Hoon, Su San Oo, Saw Mitchell, Poe Ei Phyu, Win Thein, Htay Htay Tun, Jong-Yil Chai, Sung-Jong Hong and Woon-Mok Sohn

Poster 19  Molecular diagnosis of occult hepatitis B viral infection among chronic hepatitis C patients attending the Hepatitis Carrier Clinic, Department of Medical Research
Aye Aye Win, Yi Yi Kyaw, Myat Tin Htwe Kyaw, Ohnmar Lwin, Baby Hla, Zin Mar Soe, Wai Myat Thwe and Mya Yi Nyo

Poster 20  Antenatal care pattern and maternal and perinatal outcomes
Mya Moe Thandar, May Myo Kywe, Khin Htar Yi and Kyi Kyi Nyunt

Poster 21  Nutritive values (macronutrients) of newly identified foods beyond 2000 in Yangon City
Sandar Tun, Thidar Khine, Lei Lei Myint, Wah Wah Win, Su Su Hlaing, Khin Hnin Win Phyu Yin Yin Aye, Hla Phyo Linn and Nyein Nyein Win

Poster 22  Serum high sensitivity C-reactive protein levels in centrally obese normotensive dippers and non-dippers
Thit Thit Aung, Aye Aye Thein, Phyu Pyu Khin and Mya Mya Thwin

Poster 23  The effect of aqueous and ethanolic extracts of gynura procumbens (lour.) merr. leaves on membrane Glucose Transporter – 4 (GLUT-4), Akt/PkB, and AMPK levels in 3T3-L1 adipocytes
Cho Lwin Aung, Fumitaka Kawakami, Motoki Imai, Thet Thet Lwin, Hiroko Maruyama, Ohnmar, Khin Phyu Phyu and Mya Mya Thwin

Poster 24  Hepatitis B and C viral infections among multi-transfused patients in Department of Clinical Hematology, Yangon General Hospital
Poster 25  Tumor visualization using three-dimensional phase-contrast X-ray computed tomograph  
_Thet Thet Lwin, Hiroko Maruyama and Tohoru Takeda_

Poster 26  Determination of monosodium glutamate content in different brands of chicken seasoning powder  
_Nyein Chan Aung, Moe Kyaw Thu, Aung Win Htun, Moe Kyaw and Tin Maung Hlaing_

Poster 27  The surveillance of malaria transmission in South-East Myanmar  
_Win Han Oo, Katherine O'Flaherty, Kyaw Zayar Aung, Myat Mon Thein, Aung Thi, Wai Yan Min Htay, Aung Paing Soe, Paul A. Agius and Freya Fowkes_

Poster 28  Can we prevent newborns from HIV infection?: Situation of mother-to-child transmission of HIV in Myanmar  
_Kyaw Min Htut, Myo Myo Mon, Htun Nyunt Oo and Su Myat Lwin_

Poster 29  Effective implementation of the WHO framework convention on tobacco control in Japan  
_Naoki Kunugita, Yohei Inaba, Kanae Bekki and Shigeisa Uchiyama_

Poster 30  Larvicidal and repellent properties of _Citrus hystrix DC_ fruit (มะขามป้อม) extracts against _Aedes aegypti_ mosquitoes  
_Maung Maung Mya, Zar Zar Aung, Khin Phyu Phyu, Khine Khine Lwin, Chit That Nwe, Aye Win Oo, Than Myat Htay, Sein Thaung and Yan Naung Maung Maung_

Poster 31  Maternal health in a remote setting: are there any knowledge gaps for timely help-seeking during pregnancy?  
_Su Latt Tun Myint, Khin Thet Wai, Myat Phone Kyaw, Thae Maung Maung and Khin Wuit Ye Hla_

Poster 32  Red cell deformability in type 2 diabetic patients with nephropathy  
_Haymar Soe Win, Thae Nu Htwe and Ohnmar_

Poster 33  Plasma malondialdehyde level, serum high sensitivity C-reactive protein level and cognitive ability in elderly people  
_Nay Chi Oo, Moe Phyu Phyu Aung and Ohnmar_

Poster 34  Glucose intolerance effect on high-fat diet intake mice by _Undaria pinnatifida_; Wakame  
_Motoki Imai, Fumitaka Kawakami, Thet Thet Lwin, Yuichi Kadoya and Hiroko Maruyama_

Poster 35  Antibody status of children under 3.5 years of age after immunization with Pentavalent Vaccine according to EPI schedule  
_Lynn Pa Pa Aye, Khin Nyo Thein, Kyaw Zin Wai, Thazin Mon, Kay Khine Soe, Mu Mu Shwe, Win Maw Tun, Win Aung and Kyaw Zin Thant_

Poster 36  Breakfast habits, body weight and nutritional status of home and hostel students in University of Medicine, Mandalay  
_Sanda Kyaw, Win Yu Aung, Moh Moh Hlaing, Aye Aye Thein and Ohnmar_

Poster 37  Transvaginal and colour Doppler ultrasound in pregnant women with previous caesarean scar with placenta previa  
_May Thu Htun, Mar Mar Wynn, Mya Thida and San San Myint_
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<th>Poster 38</th>
<th>Effects of Aflatoxin B1 induced toxicity on rat liver</th>
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<tr>
<td>Than Than Swe, Moh Moh Htun, Aye Win Oo, Zay Yar Chit, Kyaw Soe, Mo Mo Win, Khin Myo Sett, Mya Thandar Win and Nilar Tun</td>
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<tr>
<th>Poster 39</th>
<th>Differentiation of Aedes aegypti and Aedes albopictus eggs using scanning electron microscope</th>
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<td>Min Min Win, Than Than Swe, Khin Kant Kaw Oo, MaungMaung Mya, Kyaw Soe, Win Pa Pa Naing, Moh Moh Htun, Khin Saw Aye and Kyaw Zin Thant</td>
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<tr>
<th>Poster 40</th>
<th>Application of Loop mediated isothermal amplification (LAMP) and Polymerase Chain Reaction (PCR) methods in diagnosis of Pulmonary Tuberculosis</th>
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<tr>
<td>Mu Mu Shwe, Khin Saw Aye, Kyi May Htwe, Khin Than Maw, Ohnmar Kyaw, Khine Zar Win, Tin Mi Mi Khine, Chie Nakajima and Yasuhiko Suzuki</td>
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<th>Poster 41</th>
<th>Relationship between serum leptin level and insulin resistance in persistent obese and current obese people</th>
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<td>Thin Thin Yu, Sanda Kyaw and Ohnmar</td>
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<tr>
<th>Poster 42</th>
<th>Entomological surveillance at high malaria prevalence villages under cover of fixed and mobile clinic of quality diagnosis and standard treatment project, Myanmar Medical Association</th>
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<tr>
<td>Maung Maung Mya, Aye Than, Thura Htay, Tun Nay Myo Aung, Pyay Lin Aung, Aung Thi, Myo Min and Myat Phone Kyaw</td>
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<tr>
<th>Poster 43</th>
<th>Effects of perinatal exposure to a phosphate ester flame retardant on novel object recognition ability and memory function-related gene expression in adult mice</th>
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<tr>
<td>Tin Tin Win Shwe, Kazuhiro Sano, Tomohiko Isobe, Takaharu Kawashima, Go Suzuki, Shunji Hashimoto, Shoji F Nakayama and Fumihiko Maekawa</td>
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<tr>
<th>Poster 44</th>
<th>Drinking, dependency and diseases: Alcohol drinking pattern, dependency and diseases among male in-patients at Medical Units of Yangon General Hospital</th>
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<td>Min Zaw Oo, Aung Pyae Phyo, Saw Saw and Nang Khin Phone Tint</td>
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<th>Poster 45</th>
<th>Assessment of non-communicable diseases (NCDs) risk factors among the selected military personnel in Bago Region</th>
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<tr>
<td>Aung Kyaw Khant, Poe Poe Aung, Thant Zin Oo, Saw Min, Chan Pyae Aung, Aung Kyaw Thu, Thein Than Tun, Aung Zaw Tun and Kyaw Than Oo</td>
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<tr>
<th>Poster 46</th>
<th>Identification of the potential radiation risk of indoor radon in old buildings of Pabedan Township, Yangon Region</th>
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<td>Win Thaw Tar Lwin, Khin Hnin Pwint, Myat Myat Ko, Moe Moe Han, Htet Nandar Aung, Su Mon, Ni Ni Than, Si Thu Soe Naing and Ni Ni Maw</td>
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<tr>
<th>Poster 47</th>
<th>Assessment of body composition in children by using stable isotope method</th>
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<td>Aye Aye Maw, Yin Yin Win, Khin Thida Wai, Sandar Aung, Naw Myat Su Mon, Moh Moh Hlaing, Ko Ko Zaw and Theingi Thwin</td>
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<tr>
<th>Poster 48</th>
<th>Effect of some estrus synchronization techniques on reproductive ability of laboratory rats (Rattus norvegicus) in DMR</th>
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<td>Aye Win Oo, Mu Mu Win, Than Myat Htay, Khin Hnin Yi, MyaMya Sein, Tint Zaw Maung, San San MMyint and Win Maw Tun</td>
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<th>Poster 49</th>
<th>Community participation of malaria research in Myanmar</th>
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<td>Janie Anne Zuber, Zaw Win Thein, Poe Poe Aung and Myaing Myaing Nyunt</td>
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Poster 50  Ultrasensitive detection of asymptomatic malaria using dried blood spots
Kayvan Zainabadi, Matthew Adams, Zay Yar Han, Hnin Wai Lwin, Kay Thwe Han, Christopher V. Plowe and Myaing M. Nyunt

Poster 51  Assessment of risk of malnutrition of elderly people living in the Yangon Region
Mya Ohnmar, Moh Moh Hlaing, Sandar Tun, Khin Mittar Moe San, Myat Myat Thu, Wah Wah Win, Khin Hnin Wint Phyu, Yin Yin Aye and Hla Phyo Lin

Poster 52  Barriers to accessing harm reduction services by people who inject drugs in Kachin State: Experiences, perspectives and opinions
Yin Thet Nu Oo, Aung Naing Soe, San Hone, Khin San Tint, Nanda Myo Aung Wan, Soe Moe Myat and Aye Win Khine

Poster 53  Effect of traditional drug “Eve (♀)” on wound healing in laboratory rat model
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Poster 54  The ordering and utilization of blood in Central Women Hospital, Yangon, Myanmar

Poster 55  The requisition and utilization of blood in Yangon General Hospital, Yangon, Myanmar

Poster 56  Serological surveillance for malaria in 2015 malaria indicator survey
Kay Thwe Han, Aung Thi, Tom Hall, Myo Win Htun, Ni Ni Zaw, Hnin Ohnmar Soe, Chris Drakeley, Hannah Edwards and Kyaw Zin Thant
# PROGRAMME FOR SYMPOSIA AND TALK

Department of Medical Research  
No. 5, Ziwaka Road, Dagon Township, Yangon, Myanmar

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<td>13:30-16:30hr</td>
<td>Building National Nutrition Agenda - Where Are We and What To Focus</td>
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<td>Myanmar-Korea Joint Symposium (2017)</td>
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<td>13:30-16:30hr</td>
<td>Hospital Waste Management</td>
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<td>12:30-15:30hr</td>
<td>Principles and Practice of Travel Medicine</td>
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<td>09:30-12:30hr</td>
<td>ISO 17025 Accreditation : The Road to International Recognition for Analytical Laboratory in Department of Food and Drug Administration</td>
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<td>Auditorium (2)</td>
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<tr>
<td>13:30-16:30hr</td>
<td>Setting the Future by Grasping the Window of Opportunity</td>
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<tr>
<td>09:30-12:30hr</td>
<td>Bringing Molecular Diagnostics to Point-of-Care Testing (POCT)</td>
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<td>Auditorium (2)</td>
<td>AMRC</td>
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<tr>
<td>13:30-16:30hr</td>
<td>Life Style Related Disease</td>
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<td>AMRC</td>
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<td>13:30-16:30hr</td>
<td>Oral Cancer: Scenario and Treatment Strategies</td>
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<tr>
<td>09:30-12:30hr</td>
<td>Malaria Elimination in Myanmar: Research to Accelerate Progress towards Malaria Elimination</td>
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<td>AMRC</td>
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<td>09:30-12:30hr</td>
<td>Symposium on Medical Education</td>
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<td>10:00-11:30hr</td>
<td>Scientific talk</td>
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<tr>
<td>10:00-11:30hr</td>
<td>Cytological Screening of Cervical Cancer</td>
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