INAUGURAL SESSION

8th January, 2018
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

Day 1

Auditorium -1

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
Public-private mix tuberculosis control activities in private hospitals in Myanmar: Providers’ perspective
Thet Naing Maung, Ye Win Thein, Si Thu Aung, Kyaw Zaw, Tin Aung Moe, Khine Thazin, Thazin Thet Win, Ye Htut Kyaw and Ohnmar

10:20-10:40 Paper-2
Programmatic mapping of key populations to strengthen service delivery models: process and good practice to inform HIV prevention programming at sub-national level in Myanmar
San Hone, Aye Myat Soe, Yin Thet Nu Oo, Htun Lynn Oo, Sabe Phyu, Khin Malar Tun, Nwe Ni Myint, Kay Khaing Kaung Nyunt and Soe Htut Aung

10:40-11:00 Paper-3
Knowledge, attitudes and practices of Myanmar health researchers towards research ethics
Min Wun, Zaw Win Thein, Yin Thet Nu Oo, Myaing M. Nyunt and Henry J. Silverman
Programme

46th Myanmar Health Research Congress

11:00-11:20
Paper-4
Heterogeneous prevalence of subclinical malaria measured by ultrasensitive PCR in Myanmar: Findings from year 2 survey
Myaing M. Nyunt, Kay Thwe Han, Poe Poe Aung, Tin Maung Hlaing, Si Thura, Myo Min, Hnin Su Su Khin, Win Han Oo and Huang Fang

11:20-11:40
Paper-5
Treatment seeking behaviour and factors influencing compliance among hypertensive patients in community clinics, Pakokku Township
Tin Aung Cho, Su Su Hlaing and Ko Ko Zaw

Auditorium -1

Day (1) - Afternoon Session (1)
Chairpersons:
Professor Dr. Thet Khaing Win
Permanent Secretary
Ministry of Health and Sports
Professor Dr. Ne Win
President
Myanmar Academy of Medical Science

1:00-1:20
Paper-6
Evaluation of the Quantamatrix Multiplexed Assay Platform system for simultaneous detection of Mycobacterium tuberculosis and the rifampicin resistance gene using cultured mycobacteria and clinical sputum samples
Hye Yong Wang, Young Uh, Seoyong Kim, Yun hee Chang, Tae Sun Shim and Hyeyoung Lee

1:20-1:40
Paper-7
Postmortem tuberculosis - hidden community problem
Ne Myo Aung, Aung Soe and Soe Min Min Nyunt

1:40-2:00
Paper-8
Prevalence of diabetes, pre-diabetes and associated risk factors among pulmonary tuberculosis patients
Ohnmar Kyaw, Aye Aye Lwin, Kyi May Htwe, Khin Than Maw, Thazin Myint, Khine Zar Win, Tin Mi Mi Khine and Khin Saw Aye

2:00-2:20
Paper-9
Pattern of anti-tuberculosis drug resistance among HIV associated tuberculous meningitis patients
Aye Su Mon, Sabai Phyu, Mi Mi Htwe, Phyu Win Ei, Wint Wint Nyunt, Nay Win Aung, Mon Mon, Wah Win Htike and Wah Wah Aung

2:20-2:40
Paper-10
Glucose-6-phosphate dehydrogenase deficiency among children visiting Emergency Department of Yankin Children Hospital
Win Lai May, Khin Nyo Thein, Han Win, Mya Mya Win, Tin Htar Lwin, Dam Lian Pau, Phyu Hnin Wai, Theingi Thwin and Myat Phone Kyaw
### Day 1 - Afternoon Session (2)

**Auditorium -1**

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<tr>
<th>Chairpersons:</th>
<th>Dr. Thar Tun Kyaw</th>
<th>Dr. Tin Tin Lay</th>
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<tr>
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<td>Director General</td>
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<td>Department of Public Health/</td>
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<th>Time</th>
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<tbody>
<tr>
<td>3:00-3:20</td>
<td>Paper-11</td>
<td>Serodiagnosis of clinically suspected adult dengue cases in Yangon General Hospital</td>
<td>Moe Yee Soe, Hla Nu Kyi, Wah Win Htike, Win Win Maw and Hla Sein</td>
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<tr>
<td>3:40-4:00</td>
<td>Paper-13</td>
<td>Subclinical thyroid dysfunction and cognitive function in Myanmar elderly</td>
<td>Khin Mi Mi Lay, Thura Tun Oo, Win Lei Lei Sint, Sandar Win, Htike Htike Soe, Khin San Win, Htet Htet Lwin, Theingi Thwin and Kyaw Zin Thant</td>
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<tr>
<td>4:00-4:20</td>
<td>Paper-14</td>
<td>Prevalence of thyroid disorders among adult women attending medical OPD clinics at 300-bedded Pyin Oo Lwin General Hospital</td>
<td>Khin Moe Aung, Haung Naw, Su Su Myaing, Myint Myint Khaing, Tin Moe Khaing, Moe Kyaw Myint, Wint Wint Kyi and Win Aung</td>
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<tr>
<td>4:20-4:40</td>
<td>Paper-15</td>
<td>Challenges in provision of medical services at Mandalay General Hospital</td>
<td>Yadana Aung, Kyaw Ko Ko Htet, Kyaw Thu, Kyaw Thu Hein, Kyaw Thu Soe, Tin Tin Moe and Myitzu Tin Oung</td>
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### Day 2 - Morning Session (1)

**Auditorium -1**

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<tr>
<th>Chairpersons:</th>
<th>Dr. Than Htut</th>
<th>Professor Dr. Win Htay Aung</th>
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<td></td>
<td>Director General</td>
<td>Rector</td>
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<td></td>
<td>Department of Food and Drug Administration</td>
<td>University of Medicine, Taunggyi</td>
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<tr>
<th>Time</th>
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<tr>
<td>8:30-8:50</td>
<td>Paper-16</td>
<td>Determination of the lead content in red coloured lipsticks from Mandalay market by flame AAS</td>
<td>Thee Oo Lwin, Khin Chit, Khin Myo Oo, Khaing Zar Wai, Cho Cho Lwin and Wah Wah Oo</td>
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<tr>
<td>8:50-9:10</td>
<td>Paper-17</td>
<td>Assessment of non-permitted dyes in chilli powder in the markets of Mandalay</td>
<td>Nay Lynn, Hla Moe, Wah Wah Oo, Aye Mya Aung, Min Ko Ko, Zin Zin Nwe, Tun Zaw and Than Htut</td>
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### Programme

#### 46th Myanmar Health Research Congress

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<th>Time</th>
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### Auditorium - 1

#### Day (2) - Morning Session (2)

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<th>Time</th>
<th>Paper</th>
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<tr>
<td>10:45-11:05</td>
<td>Paper-22</td>
<td>Factors influencing obesity indices among school teachers from Dagon Myothit (North) Township in Yangon, Myanmar</td>
<td>Khin Mittar Moe San, Umi Fahmida, Fiastuti Wijaksono, Htin Lin, Ko Ko Zaw and Min Kyaw Htet</td>
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46th Myanmar Health Research Congress

Auditorium -1

Day (2) - Afternoon Session (1)

Chairpersons: Dr. Theim Kyaw
Rector
University of Traditional Medicine, Mandalay

Professor Dr. Thein May Saw
Professor/Head
Department of Pharmacology
University of Medicine, Mandalay

1:00-1:20
Paper-26
Antimicrobial activity of leaves extracts of Tamarindus indica L.
(MA-GYEE)
Khin Yadanar Kyaw, Cho Yi Myint and Khine Khine Lwin

1:20-1:40
Paper-27
Determination of total phenolic contents and antioxidant activity of the roots of Pimpinella candolleana Wight and Arnott
Kyi Kyi Oo, Ei Ei Thant, Khin Myo Oo, Swe Swe, May Thanda Tun, Soe Myint Aye, Win Aung, Theim Kyaw and Yi Yi Myint

1:40-2:00
Paper-28
Effect of ethanolic extract of fruits of Phyllanthus emblica Linn. (Zi-Byu) on blood glucose, lipid profile and malondialdehyde level in prediabetes
Thein Soe, Nwe Nwe Than and Thein May Saw

2:00-2:20
Paper-29
The effect of Moringa oleifera Lam. (Dant-da-lun) leaves on plasma glucose level and serum lipid profile in prediabetic subjects
Hnin Lai Mu, Myat Myat Soe and Yee Yee Tin

2:20-2:40
Paper-30
Hypoglycemic effect of traditional medicine formulation (SNG-01) on alloxan-induced diabetic mice
Myo Nanda Aung, Khin Phyu Phyu, Khine Khine Lwin, Mu Mu Sein Myint, Aye Win Oo and Phyo Wai Zin

Auditorium -1

Day (2) Afternoon Session (2)

Chairpersons: Professor Dr. Yee Yee Tin
Professor/Head
Department of Pharmacology
University of Medicine 2, Yangon

Dr. Khin Phyu Phyu
Director (Research)
Department of Medical Research

3:00-3:20
Paper-31
Hypolipidaemic activity of combination of extract of Zingiber officinale Rosc. (Ginger) rhizomes and Citrus aurantifolia Linn. (Lime) fruits juice on triton-induced hyperlipidaemic rats
Khine Khine Lwin, Mu Mu Sein Myint, Khin Phyu Phyu, Aye Win Oo, Phyu Phyu Win, Khin Tar Yar Myint, Myint Myint Khine, Hlaing Myat Thu and Kyaw Zin Thant

3:20-3:40
Paper-32
Analysis of element in some medicinal plants which have reputed hypoglycaemic activity
Khin Tar Yar Myint, Win Win Maw, Mar Mar Myint, Tin Sein Mar, Khine Khine Lwin, Phyu Phyu Win, Nu Nu Wai, Mu Mu Sein Myint and Hlaing Hlaing Phyo

~ V ~
3:40-4:00  
**Paper-33**  
Insecticidal activity of *Lantana camara* (Sein-Nar-Pan) against mosquitoes *Anopheles minimus*, *Aedes aegypti* and *Culex quinquefasciatus*

Yi Yi Mya, Mya Nilar Chaw Su, Naw Hnin Myint, Than Myat Soe, Tun Tun Win, Than Than Htwe, Ngwe Paw, Ei Ei Htway and Khin May Thi

4:00-4:20  
**Paper-34**  
Sub-lethal effect of larvicide and adulticide on the reproductive parameters of dengue vector in Mandalay

Mya Nilar Chaw Su, Yi Yi Mya, Naw Hnin Myint, Tun Tun Win, Than Than Htwe, Si Si Aung and Nwe Nwe Aye

4:20-4:40  
**Paper-35**  
Emerging neglected helminthiasis and their determinants in Shwegyin Township

Kay Thwe Han, Khin Thet Wai, Kyin Hla Aye, Khine Wah Kyaw, Wai Phyo Maung, Pyae Phyo Htut, Naing Naing Win, Yin Yin Myint Myat, Tin Oo and Kyaw Zin Thant

4:40-5:00  
**Paper-36**  
Prevalence of strongyloidiasis in rural population of Kyaungon Township in Ayeyawady Region

Okka Kyaw, Khine Mar Oo, Wah Win Htike, Win Maw Tun, Kay Thwe Han, Myo Pa Pa Thet Hnin Htwe Aung and Eiji Nagayasu

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**Day 2 (Parallel Session)**

**SRC Conference Hall**

**Day (2) Morning Session (1)**

**Chairpersons:**

- **Professor Dr. San San Nwet**  
  Rector  
  University of Pharmacy, Yangon

- **Professor Dr. Nang Hla Hla Win**  
  Professor/Head (Retired)  
  Department of Pharmacology  
  University of Medicine 1, Yangon

08:30-08:50  
**Paper-37**  
Anti-hyperglycemic effect of aqueous leaf extract of *Vernonia amygdalina Del.* on patients with type 2 diabetes mellitus

Chaw Nandar Khaing, Kyi Kyi Oo, Htin Aung Myo, Win Myint, Win Naing, Mg Mg Thet, Htay Hla, Theim Kyaw and Yi Yi Myint

08:50-09:10  
**Paper-38**  
Apo E polymorphism and responses to atorvastatin in hypercholesterolaemic subjects

Wah Wah Oo, Myat Min and Thein May Saw

09:10-09:30  
**Paper-39**  
Pharmacokinetics of theophylline in asthma patients with CYP1A2*1F polymorphism

Kyaw Soe and Thein May Saw

09:30-9:50  
**Paper-40**  
Effect of ACE gene I/D polymorphism on renoprotective outcome of losartan in type 2 diabetic nephropathy patients

Mya Thuzar, Aye Aye Lwin, Khin Than Maw and Nang Hla Hla Win
9:50-10:10  Effect of GSTP1 polymorphism in lupus nephropathy patients on cyclophosphamide aggressive therapy  
**Paper-41**  
K. Khine Thu, Aye Aye Lwin, Khin Than Maw, Chit Soe and Nang Hla Hla Win

**SRC Conference Hall**  
**Day (2) Morning Session (2)**

**Chairpersons:**  
Dr. Yi Yi Myint  
Director General  
Department of Traditional Medicine  
Professor Dr. Nu Nu Aye  
Professor/Head  
Department of Pharmacology  
University of Medicine 1, Yangon

10:25-10:45  Effect of rosuvastatin once daily versus alternate day dosing on serum lipid profile in hypercholesterolaemic patients  
**Paper-42**  
Ei Mon Zaw, Soe Yu Zaw and Nu Nu Aye

10:45-11:05  Effect of telmisartan on lipid profile in hypertensive patients  
**Paper-43**  
Nilar Win, Phyu Phyu Myo Kyaw and Thein May Saw

11:05-11:25  Bioequivalence study of registered amlodipine in healthy volunteers  
**Paper-44**  
Ei Kay Khine, Mi Mi Zin and Thein May Saw

11:25-11:45  Analgesic effect of rhizomes and leaves of *Angiopteris aevecta* (Giant fern) on animal model  
**Paper-45**  
Phyo Wai Zin, Khin Phyu Phyu, San San Htwe, Mya Marlar, Myo Nanda Aung, Zaw Myo Tint, Aye Win Oo, Mu Mu Sein Myint and Khine Khine Lwin

11:45:12:05  Identification of the functional groups in castor seed oil (*Ricinus communis L.*) by Fourier Transform Infra-Red Spectrophotometer  
**Paper-46**  
Aye Thida Tun, Moh Moh Lwin, Swe Zin Aung, Aye Aye Phyu, Rai Kit, Ei Ei Htway, Khin May Thi and Win Aung

**SRC Conference Hall**  
**Day (2) Afternoon Session (1)**

**Chairpersons:**  
Professor Dr. Khay Mar Mya  
Rector  
University of Public Health  
Professor Dr. Hla Hla Win  
Professor/Head  
Department of Preventive and Social Medicine  
University of Medicine 1, Yangon

1:00-1:20  Associated factors for childhood obesity among primary school children in Taunggyi, Myanmar  
**Paper-47**  
Honey Win, Moh Moh Hlaing and Ko Ko Zaw
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<tr>
<td>1:20-1:40</td>
<td>Paper-48</td>
<td>Qualitative behavioural change on maternal, newborn and child health in Paletwa Township</td>
<td>Yadanar Aung, Kyaw Thu Soe and Kyaw Oo</td>
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<td>1:40-2:00</td>
<td>Paper-49</td>
<td>Are we equipped with serving the right care? Implications for programme responses regarding gender-based violence</td>
<td>Myitzu Tin Oung, Khaing Nwe Tin, Su Su Yin, Kyu Kyu Than, Kyaw Ko Ko Htet, Kyaw Thu Hein and Hla Mya Thway Eindra</td>
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<td>2:00-2:20</td>
<td>Paper-50</td>
<td>Husband’s involvement in family planning practice in Sagaing Township</td>
<td>Thaw Ter Htet, Thida Aung, Min Ko Ko and Khay Mar Mya</td>
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<td><strong>SRC Conference Hall</strong></td>
<td><strong>Day (2) Afternoon Session (2)</strong></td>
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<td><strong>Chairpersons:</strong></td>
<td><strong>Professor Dr. Myat Thandar</strong></td>
<td><strong>Professor Dr. San San Htay</strong></td>
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<td>Rector</td>
<td>University of Nursing, Yangon</td>
<td>Professor/Head Department of Preventive and Social Medicine University of Medicine 2, Yangon</td>
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<td>03:00-03:20</td>
<td>Paper-52</td>
<td>The lived experiences of mothers caring for obese children</td>
<td>Khaing Thandar Maung, Ni Ni Aung and Kyu Kyu Win</td>
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<td>03:20-03:40</td>
<td>Paper-53</td>
<td>The lived experiences of mothers having a child with haemophilia: A phenomenological approach</td>
<td>Khin Sandar Win, Moe Wai and Cho Cho Than</td>
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<tr>
<td>03:40-04:00</td>
<td>Paper-54</td>
<td>Longitudinal assessment of nutritional status of two to five years old children living in areas targeted agricultural interventions for food security</td>
<td>Theingi Thwin, Moh Moh Hlaing, Mya Ohnmar, Aye Aye Maw, Khin Mittar Moe San, Khin Thidar Wai, Hla Phyo Lin, Su Su Hlaing and Naw Myat Su Mon</td>
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<td>04:00-04:20</td>
<td>Paper-55</td>
<td>Caring of elderly people with Alzheimer’s disease: Family caregivers’ perspective</td>
<td>Myat Thu Zar Khin, Win Hlaing and Yin Yin</td>
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<td>04:20-04:40</td>
<td>Paper-56</td>
<td>The life of family caregivers living with elderly people in Yangon Region by using grounded theory approach</td>
<td>Soe Soe, Ni Ni Aung and Mg Mg</td>
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<td>04:40-05:00</td>
<td>Paper-57</td>
<td>Being a person with brachial plexus injury on dominant hand: A phenomenological approach</td>
<td>Win Pa Pa, Thae Hnin Soe and Su Su Nyein</td>
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Day 3

Auditorium - 1

Day (3) - Morning Session (1)

Chairpersons: Professor Dr. Rai Mra, President Myanmar Medical Association
Professor Dr. Myint Myint Nyein, Professor/Head Department of Pathology University of Medicine 1, Yangon

08:30-08:50

Paper-58

Immuoexpression of Bcl-2 in B-cell non-Hodgkin lymphoma
May Thu Lwin, Saw Nu Nu Hlaing, San San Hlaing, Moe Hein, Nyein Chan Khin and Yadanar Htay

08:50-09:10

Paper-59

Accuracy of visual inspection of acetic acid test in detection of premalignant conditions of cervix
Htar Nandar, Myint Myint Thin and San San Myint

09:10-09:30

Paper-60

Immunohistochemical expression (IHC) and fluorescence in situ hybridization (FISH) of EGFR in colorectal carcinoma
Khin Kant Kaw Oo, Min Min Win, Myat Mon Oo, Hnin Nu Htwe, Ko Ko Zaw, Kyaw Soe, Win Pa Pa Naing, Cho Cho Nyunt and Myint Myint Nyein

09:30-09:50

Paper-61

Immuoexpression of Matrix Metalloproteinase-9 in Colorectal adenocarcinoma
Saung Hnin Phyu, Saw Wut Hmone, Myint Myint Nyein and Myat Mon

09:50:10:10

Paper-62

Detection of antinuclear antibodies in systemic lupus erythematosus patients using indirect immunofluorescence and line immunoassay methods
Aye Aye Khin, Win Kalayar Kyaw and Khin Aye Thin

Auditorium - 1

Day (3) - Morning Session (2)

Chairpersons: Professor Dr. Mya Thidar, Professor/Head (Retired) Department of Obstetrics and Gynaecology University of Medicine 1, Yangon
Professor Dr. Htay Htay Tin, Deputy Director General National Health Laboratory Department of Medical Services

10:25-10:45

Paper-63

Community-based cervical cancer screening using Cobas human papilloma virus (HPV) test and liquid based cytology (LBC) in married women living in North Okkalapa Township, Yangon
Mu Mu Shwe, Kyi Kyi Nyunt, Lynn Pa Pa Aye, Kham Mo Aung, Myat Noe Swe, Ni Ni Aung, Ohnmar Sein, Win Maw Tun and Kyaw Zin Thant

10:45-11:05

Paper-64

Human papilloma virus type 16E7 oncogene in cervical intraepithelial neoplasia, in situ and invasive carcinoma of uterine cervix
Thu Ya Aung, Nyo Me May Thyn and Khin Thida Aung

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### Programme

**46th Myanmar Health Research Congress**

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<tr>
<td>1:00-1:20</td>
<td>Paper-68</td>
<td>1:00-1:20</td>
<td>Identification of poisoning cases admitted to different level hospitals in Mandalay and Ayeyawady Regions, Myanmar</td>
<td>Khin Hnin Pwint, Min Wun, Phyo Kyi Thant, Moe Moe Aye, Thin Thin Wah, Swe Swe Aung, Thinzar Myo, Su Su Hlaing and Kyaw Swar Lwin</td>
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<tr>
<td>1:40-2:00</td>
<td>Paper-70</td>
<td>1:40-2:00</td>
<td>Drinking water sources, prevalence of arsenic in ground water and introduction of arsenic removal filter in the rural area of Thapaung Township, Myanmar</td>
<td>Khin Phyu Phyu, Mya Marlar, Thin Thin War, Phyo Wai Zin, Myo Nanda Aung, Tin Tin Han, Aye Thida Htun and Kyaw Zin Thant</td>
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<td>2:20-2:40</td>
<td>Paper-72</td>
<td>2:20-2:40</td>
<td>Serum zinc level in cirrhosis of liver patients</td>
<td>Nang Thee Su Pwint, Saw Wut Hmone, Myint Myint Nyein and Myat Mon</td>
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Auditorium - 1

Day (3) - Afternoon session (2)

Chairpersons:  Professor Dr. Win Win Mya  
Professor/Head (Retired)  
Department of Obstetrics and Gynaecology  
University of Medicine 1, Yangon

Professor Dr. San San Myint  
Professor/Head  
Department of Obstetrics and Gynaecology  
University of Medicine 1, Yangon

3:00-3:20  
Paper-73  
Serum vitamin D level in women with normal and pre-eclamptic pregnancies from North Okkalapa General Hospital, Yangon  
Thazin Aung, May Pyone Kyaw, Aye Thida and Moh Moh Hlaing

3:20-3:40  
Paper-74  
Comparative study on efficacy and safety of intravenous oxytocin and tranexamic acid in myomectomy  
Chaw Ei Win, Swe Swe Myint and San San Myint

3:40-4:00  
Paper-75  
A comparison of efficacy and safety of sublingual misoprostol with intra-vaginal misoprostol for induction of labour at term  
Zar Chi Min, Phyu Phyu Thein and San San Myint

4:00-4:20  
Paper-76  
Effect of intravenous magnesium sulphate on red cell deformability in severe pre-eclampsia and eclampsia  
Thin Myat Myat Shein, Khin Latt and San San Myint

4:20-4:40  
Paper-77  
Enhancing awareness and practices of married women regarding cervical cancer: An intervention study  
Nwe Yee Han, Kyaw Wunna and Thida Aung

4:40-5:00  
Paper-78  
Dietary sodium intake of housewives from South Okkalapa Township of Yangon Region  
Moh Moh Hlaing, Mya Ohnmar, Khin Mittar Moe San, Sandar Tun, Thidar Khine, Wah Wah Win, Su Su Hlaing, Hla Phyo Linn, Yin Yin Aye and Nyein Nyein Aye

Day 4

Auditorium - 1

Day (4) - Morning Session (1)

Chairpersons:  Professor Dr. Mya Mya Aye  
Rector  
University of Medical Technology, Mandalay

Professor Dr. Wah Win Htike  
Professor/Head  
Department of Microbiology  
University of Medicine 1, Yangon

08:30-08:50  
Paper-79  
Identification of bacterial pathogen in malignant ascitic fluid from patients with clinically suspected bacterial peritonitis  
Myo Myint Maw, Ssu Wynn Mon, Hsu Theingi and Wut Hmone Win Htut
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<tr>
<td>08:50-09:10</td>
<td>Paper-80</td>
<td>Antimicrobial susceptibilities of <em>Burkholderia cepacia</em> bacteraemia in No (1) DSGH, Mingaladon</td>
<td>Khin Phyu Pyar, Yu Aye Latt, Sai Aik Hla, Htoo Pyae Thar, Khin Win Sein, Soe Hlaing and Saw Lwin</td>
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<td>09:50-10:10</td>
<td>Paper-83</td>
<td>Bacteriological profile of open fracture wound infection in Yangon General Hospital</td>
<td>May Thu Lwin, San Mya, Win Thandar Oo, Wah Win Htike, Cho Cho Oo and Hla Nu Kyi</td>
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<td>10:25-10:45</td>
<td>Paper-84</td>
<td>Distribution of hepatitis B virus genotypes and viral load levels in chronically infected patients from Hepatitis Carrier Clinic, Department of Medical Research</td>
<td>Hnin Ohnmar Soe, Aye Aye Lwin, Myat Tin Htwe Kyaw, Ohmar Lwin, Wai Myat Thwe, Ni Ni Zaw, Thin Thin Aye and Yi Yi Kyaw</td>
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<tr>
<td>10:45-11:05</td>
<td>Paper-85</td>
<td>Molecular detection of chikungunya virus among inpatients with clinically suspected acute viral infection in medical units at Yangon General Hospital</td>
<td>Myat Khwar Phyu Pe, Aung Zaw Latt, Than Than Su, Wah Win Htike, San Yu Hlaing, Kay Khine Soe, Khin Khin Aye, Win Maw Tun and Kyaw Zin Thant</td>
</tr>
<tr>
<td>11:05-11:25</td>
<td>Paper-86</td>
<td>Molecular characterization of quinolone resistant genes in Salmonella isolates from enteric fever patients attending Yangon General Hospital</td>
<td>Khine Mar Oo and Wah Win Htike</td>
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<td>11:25-11:45</td>
<td>Paper-87</td>
<td>Molecular characterization of influenza A viruses detected in children attending Yangon Children Hospital, 2016</td>
<td>Htin Lin, Hlaing Myat Thu, Lay Myint Yoshida, Theingi Win Myat, Wah Win Htike, Win Win Maw, Kay Thi Aye and Moh Moh Htun</td>
</tr>
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46th Myanmar Health Research Congress

Programme

11:45-12:05

**Paper-88**

Nationwide overview of the distribution of hepatitis B virus genotypes in Myanmar


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**Auditorium - 1**

**Day (4) Afternoon Session (1)**

**Chairpersons:**

- Professor Dr. Ko Ko Lwin
  - Rector
  - Defence Services Medical Academy

- Professor Dr. Chit Soe
  - Professor/Head
  - Department of Rheumatology
  - University of Medicine 1, Yangon

1:00-1:20

**Paper-89**

Readiness of malaria volunteers in malaria elimination: Preliminary study in Ayeyawady Region

*Kyi Maw Than, Myat Phone Kyaw, Aung Thi, Myat Min Tun, Nan Khaing Zar Aung, Moe Moe Aye, Nyan Win Htet and Wai Wai Myint*

1:20-1:40

**Paper-90**

Preferences of malaria treatment seeking behaviours among mobile/ migrant workers at remote sites in the context of malaria elimination: A mixed-methods study

*Aung Ye Naung Win, Thae Maung Maung, Khin Thet Wai, Tin Oo, Aung Thi, Mondha Kengganpanich, Ngamphol Soonthornworasiri, Rungrawee Tipmontree and Jaranit Kaewkungwal*

1:40-2:00

**Paper-91**

Knowledge of high school students about malaria prevention and control in malaria endemic area of Pyin Oo Lwin Township

*Phyu Phyu Win, Moe Kyaw Myint, Ei Ei Swe, Khine Khine Linn, Aung Kyaw Soe, Lain Lan Maung, Win Pa Pa Win and Khin Lin*

2:00-2:20

**Paper-92**

Drug resistant malaria situation of Buthidaung, Rakhine State: Clinical and molecular perspective

*Kay Thwe Han, Kyin Hla Aye, Zay Yar Han, Phyo Zaw Aung, San Lin Aung, Soe Soe Han, Nay Chi Aung San, and San Kyawt Khine*

2:20-2:40

**Paper-93**

Challenges, gap and opportunities on malaria research in Myanmar (2000-2017)

*Myat Htut Nyunt*

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**Auditorium - 1**

**Day (4) Afternoon Session (2)**

**Chairpersons:**

- Professor Dr. Aye Maung Han
  - Rector (Retired)
  - University of Medicine 1, Yangon

- Dr. Than Htun Aung
  - Deputy Director General
  - Central Epidemiology Unit
  - Department of Public Health

3:00-3:20

**Paper-94**

Antibody response to first and second dose of measles vaccination in children

*Hnin Phy Phyu Soe, Wah Wah Oo and Aye Aye Myint*
### Programme

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<tr>
<td>3:40-4:00</td>
<td>Paper-96: Estimation of corrected serum calcium level and platelet count in children with dengue haemorrhagic fever admitted to Yangon Children Hospital</td>
<td>Khine Hnin Aye, May Thwe Lin, Myint Myint Nyein, Myat Mon and Khin Thida Aung</td>
</tr>
<tr>
<td>4:00-4:20</td>
<td>Paper-97: Assessment of thyroid hormone levels among children with obesity</td>
<td>Yin Yin Win, Khin Aye Lwin, Theingi Thwin, Aye Aye Maw, Khin Thida Wai, Thandar Myint, Naw Myat Su Mon and Tin Maung Maung</td>
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<td>4:20-4:40</td>
<td>Paper-98: Screening of wasting among children 6-59 months using age and sex specific mid upper arm circumferences cut-off (WHO-2007) in urban, Yangon</td>
<td>Su Su Hlaing, Moh Moh Hlaing, Chit Ko Han, Aye Aye Thwe, Tin Aye Cho and Mya Ohnmar</td>
</tr>
<tr>
<td>4:40-5:00</td>
<td>Paper-99: Clinical presentation and dengue virus serotypes in infants with dengue haemorrhagic fever</td>
<td>Moe Oo Phyu, Kyin Hlaing, Theingi Win Myat, Khin Mar Aye, Khin Nyo Thein, Kyaw Zin Wai and Khin Sandar Aye</td>
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### Day 5

**Auditorium - 1**

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

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<tr>
<th>Time</th>
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<th>Presenters</th>
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<tr>
<td>08:30-08:50</td>
<td>Paper-100: Assessment of oral health status among postpartum women in Thingangyun Sanpya General Hospital, Yangon Region</td>
<td>Saw Nandar Aung and Ko Ko Soe</td>
</tr>
<tr>
<td>08:50-09:10</td>
<td>Paper-101: Factors associated with compliance to the cascade of services for the prevention of mother to child transmission of HIV in Myanmar</td>
<td>San Hone, Roger Detels, Li Li, Sung Jae Lee and W. Scott Comulada</td>
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<tr>
<td>09:10-09:30</td>
<td>Paper-102: Is men who have sex with men (MSM) population effectively covered by HIV prevention services in high burden townships in Myanmar? Findings from programmatic mapping</td>
<td>San Hone, Htun Lynn Oo, Sabe Phyu, Yin Thet Nu Oo, Aye Myat Soe, Khin Malar Tun, Nwe Ni Myint, Kay Khaing Kaung Nyunt and Soe Htut Aung</td>
</tr>
</tbody>
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*xiv*
09:30-09:50  
**Paper-103**  
Socio-economic impact of HIV on health and health expenditure at a household level in Myanmar: Findings from National Survey  
Poe Poe Aung, Etoile Pinder, James Cercone, Htun Nyunt Oo, Thet Tin Tun, Lei Lei Win, Yin Thet Nu Oo, Claire Nightingale and Ben Coghlan

09:50-10:10  
**Paper-104**  
Effectiveness and acceptability of participatory reproductive health intervention for HIV infected and affected adolescents in Myanmar  
Myo Myo Mon, Kyaw Min Htut, Htun Nyunt Oo, Lwin Lwin Ni, Aung Soe Min and Ni Ni Htay Aung

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**Auditorium - 1**  
**Day (5) - Morning Session (2)**

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

Professor Dr. May Pyone Kyaw  
Professor/Head  
Department of Biochemistry  
University of Medicine 2, Yangon

10:25-10:45  
**Paper-105**  
Characterization of biochemical composition and biological activities of Cobra (*Naja kaouthia*) venom  
Thet Thet Mar, Win Aung, Zaw Myint, Tin Ko Ko Oo and Lwin Zar Maw

10:45-11:05  
**Paper-106**  
Construction of the cDNA library and detection of the ten sequences of ten positive clones from Russell’s viper (*Daboia siamensis*) venom gland  
Thet Thet Mar, Zaw Myint, Aye Win Oo, Aung Zaw Latt, Tin Ko Ko Oo and Kay Thi Aye

11:05-11:25  
**Paper-107**  
Comparison of two bedside methods for determination of whole-blood clotting times in assessing coagulopathy in Russell’s viper bites  
Han Win, Khin Thida Thwin, Khin Saw Aye, Khin Saw Than, Hlaing Mya Win, Ssu Wynn Mon and Kyaw Zin Thant

11:25-11:45  
**Paper-108**  
Clinical characteristics of blood stream infection  
Ne Myo Aung, Myo Lwin Nyein, Mar Mar Kyi and Kyi Lae Yee Lin

11:45-12:05  
**Paper-109**  
Vitamin D and treatment response in systemic lupus erythematosus nephropathy  
Min Lynn Zaw Oo, Thet Thet Mar, Khin Phyu Pyar, Chit Soe and Kyaw Wunna Tun

12:05-12:25  
**Paper-110**  
The role of technetium-99m sulphur colloid liver-spleen scintigraphy to detect hypersplenism in chronic liver disease patients with pancytopenia  
Phyo Yadanar, Win Mar, War War Wann Maung, Su Thet Oo, Ko Ko Zaw, Moh Moh Hlaing and Ohnmar Swe