

# 47<sup>th</sup> MYANMAR MEDICAL CONFERENCE

## ABSTRACT (CONTINUED)

### Traumatic Brain Injury modern aspects , diagnoses , treatment and rehabilitation

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Over the last few decades a significant increase in the prevalence of traumatic brain injury has been observed worldwide as a consequence of the modern way of living and working, traffic modernisation, industrialisation etc. The most frequent cause of death in the age group 20 to 35 is traumatic brain injury.

Depending on the direction and intensity of the impact on the head, typical patterns of damage are developing. With the help of neuropathology and modern neuroimaging methods, especially cerebral MRI, three types of brain damage can be identified, linear outer brain injury (lesions occurring on the surface of the brain), linear inner brain injury, divided into the upper linear inner brain injury (lesions occurring around the ventricular system) and the lower linear brain injury (damage of the midbrain and the surrounding areas), rotational traumatic brain injury with intracerebral hemorrhage and dilacerations of brain tissue. For the important documentation of the direction of an impact on the head, the "Innsbruck Scale" (a modified "SPATZ-scheme") should be used. Internationally it is recommended to split up the classification of traumatic brain injury into mild, moderate, severe and severest.

Complications of traumatic brain injury are brain edemas and intracranial hemorrhage followed by volume increase with the emergence of tentorial and foraminal herniation, leading to acute midbrain and bulbar brain syndrome, and in many cases to a traumatic apallic syndrome. The complications have to be discovered at the earliest time and should receive special treatment.

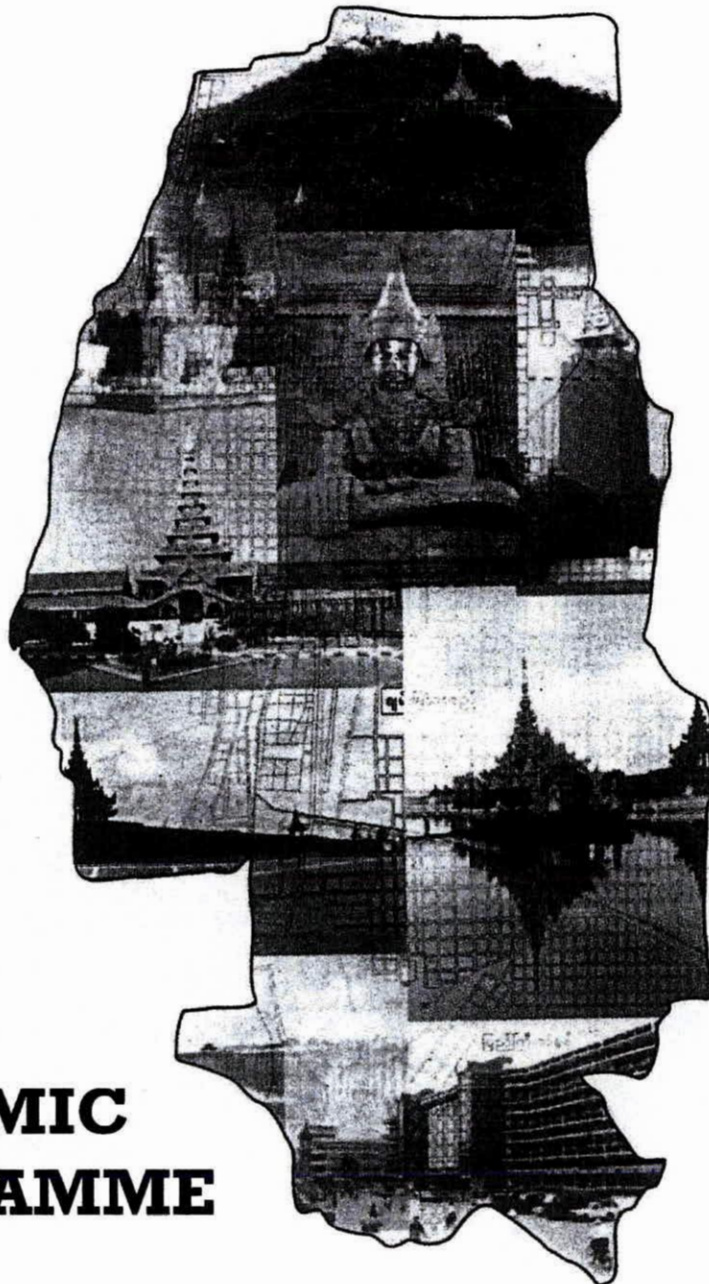
Every case of traumatic brain injury needs a neurorehabilitation programme being mandatory in severe and severest forms. A special centre with trained medical and non-medical staff is necessary. The rehabilitation programme has to be started in the very first hour after the accident parallel to the acute therapy.

A well organised treatment and the consistent rehabilitation will not only reduce the suffering and disablement of many young people, it will also decrease expenses of the health care system.

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**47<sup>th</sup> MYANMAR  
MEDICAL CONFERENCE  
JANUARY 19-23, 2001**



**ACADEMIC  
PROGRAMME**

FRIDAY, 19<sup>th</sup> JANUARY 2001 (DAY-1)

*Badauk Auditorium*

Free Papers Session (2)

*Obstetrics & Gynaecology-1*

Chairperson: Prof. Kyu Kyu Swe/ Prof. Khin Mi Mi Lwin

- 1:00 p.m. Reproductive Health Approach to High Risk Patients  
A 63 *Thanda Aung, Lwin Lwin Than & Khin Mi Mi Lwin*
- 1:15 p.m. Study of Cervical Cytology Screening in Kyauk-Phya-That Village, Mogoke Township  
A 64 *Thin Thin Oo, Lwin Lwin Than, Myint Myint Aye & Khin Thi Lwin*
- 1:30 p.m. Status of Ante Natal Care in a Selected Health Centre Area of Ta-Da-Oo, Township, Mandalay Division  
A 65 *Mon Mon, Saw Saw, Than Tun Sein, Yin Thandar Lwin & Thein Tun*
- 1:45 p.m. Incidence of Gynaecological Malignancies in MGH.  
A 66 *Marlar Ni & Khin Thein Oo*

*Badanyar Auditorium*

Free Papers Session (3)

*Neurology-1*

Chairperson: Prof. Myint Thein/ Dr. Tin Htar Nwe

- 1:00 p.m. Medical Treatment of Epilepsy New and Old.  
A 55 *Hla Aung*
- 1:20 p.m. Head Injuries (What is Under the Skull)  
A 56 *P.S. Talwar*
- 1:40 p.m. Traumatic Brain Injury: Modern Aspects, Diagnosis, Treatment & Rehabilitation  
A 57 *Franz Gerstenbrand*

FRIDAY, 19<sup>th</sup> JANUARY 2001

Free Papers Session (4)

Chairperson: Prof. Hla Myint

- 2:00 p.m. Growth Monitoring in Primary School Children  
A 75 *San San Myint*
- 2:15 p.m. Factors influencing the Health of Children  
A 76 *Khin Khin Hla*
- 2:30 p.m. Healthy School Environment: A Patheingyi Township  
A 77 *Myo Myint Kywe & Khin Maung*
- 2:45 p.m. Knowledge of Health Hazards in Health Hazardous Areas  
A 78 *Saw Win, Chit Chit Shein, Zaw Aung*

Free Papers Session (5)

Chairperson: Prof. Khin

- 2:00 p.m. Maternal Mortality in Mandalay Geographical Area  
A 67 *Myint Myint*
- 2:15 p.m. A problem of children in Mandalay  
A 68 *Than Than Hla & Khin Htay Kywe*
- 2:30 p.m. Prediction of Neonatal Mortality  
A 69 *Marlar Ni*
- 2:45 p.m. Recurrent Hemiparesis  
A 70 *Thet Thet Myint*