

Course Report

Genesis of Trauma Courses by ITACCS (Indian Chapter) Comprehensive Trauma Life Support (CTLS) Fundamental Trauma Life Support (FTLS)

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After the stabilization of the ITACCS (Indian Chapter), founded by Prof. Martin G. Isaac in 1995 with the approval of Dr. Christopher Grande Chief Executive Officer of ITACCS (USA), Prof. Yoel Donchin (Israel) and Prof. John Schu (Germany), the need was felt for Trauma management courses, a subject totally new to India.

The executive committee of the ITACCS (Indian Chapter) approached Prof. Martin G. Isaac who had extensive experience in trauma management in the sectarian torn N. Ireland and in the Sudan, where the infrastructure for trauma was similar to India.

With the help of Late Prof. K. Devakumar, who was then the National Secretary, ITACCS (Indian Chapter), the types of trauma, the infrastructure available in various parts of India including the North Eastern States where terrain, basic equipment etc., is scarce and cross border terrorism is rife, were studied and noted. Further inputs were obtained from experienced senior trauma specialists, the armed forces (Col. N. Krishnan) and Prof. Yoel

Donchin, who suggested to name the course as “Essential Trauma Life Support”.

Since two levels of courses were needed Prof. Martin G. Isaac’s suggestion to name the courses as “Comprehensive Trauma Life Support (CTLS)” and “Fundamental Trauma Life Support (FTLS)” was accepted.

A task force was formed with Prof. Martin G. Isaac, Late Prof. K. Devakumar, Prof. M.F.Baig (Chennai), Col. N. Krishnan (Armed Forces), Dr. Mohan Mathew (Kerala), Prof. K. Balasaraswathi (Karnataka), Late. Dr. Paul (Andhra Pradesh) and Prof. Yoel Donchin, as International Advisor.

A manual was drawn which was reviewed by senior traumatologist (Late. Prof. Natarajan Orthopedic), Late Prof. P. Thota (Anaesthesia), Prof. Reginald (Neuro) and submitted to the committee.

The list of office bearers, terms of office and eligibility of the candidates were drawn up.

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** Prof. Martin G. Isaac, Founder Member ITACCS (Indian Chapter)

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The office bearers deemed necessary for the course were as follows :

A. National Director for CTLS program will serve as the Chairman

1. He / She must have extensive experience in Trauma management and proven administrative capability at the civilian level.
2. Must be able to attend all the meetings of the committee and the CTLS courses.
3. Should liaise with the State, Central Government, Armed Forces and other NGO's associated with trauma and trauma care.
4. Liaise with ITACCS - National Secretary

B. Course Director - (Faculty)

1. Could be a National or Non-National
2. Update the course Manual for CTLS & FTLS whenever necessary
3. Study the response to each course as per the questionnaire distributed to each candidate and inform his assessment to the committee before the next CTLS course.
4. Choose the Faculty - National and / or International
5. Prepare for future courses – Instructor course.

C. Co - Ordinator

Will be a senior trauma doctor from the place where the CTLS course will be conducted.

1. He / She will co-ordinate the infrastructure at site required for the course.
2. He / she will organize the voluntary manpower
He / She will be in constant touch with the National Director and Course Director and National Secretary ITACCS

D. Editor

1. Liaise with Course Director and National Director
2. Publicity in the Journal regarding dates for future courses
3. Act as observer at each course

E. Observers – Two senior trauma specialists who will

1. Inspect the infrastructure set up
2. Prepare assessment questionnaire for the candidates
3. Prepare assessment proforma of the faculty
4. Submit a report to the Course Director for discussion by the committee.

F. Members

From each region: North, South, East and West.

G. Travel allowance and hospitality - by Local hosts.

H. Course Format

The course format is as follows :

1. Duration of the course : 2 ½ Days

2. Eligibility

- CTLS - from residents onwards
- FTLS - Medical students, Nurses, Physiotherapists
- At grass root level - Auto drivers, police men etc in vernacular (Started by late Prof. K. Devakumar).
- Contents: CPR, Care of C - spine, Extrication, Log roll, Helmet removal.

3. Course Contents

Day I

Forenoon : 8 am – 1 pm

- Theory classes - each class followed by 10 minutes question time

Afternoon 1.30 pm – 5.30 pm

- Practical “hands” on training

6 Stations

a. Airway maintenance: Mannequin

- Chin lift, Jaw thrust
- Nose to mouth
- Mouth to Mouth
- Intubations
- Bag and Mask
- Cricothyrotomy (Sheep's trachea)

b. CPR : Mannequin

c. Cadaver. Prof. of Surgery (Prof. Salins MS., FRCS) : ICD, Cricothyrotomy, Tracheostomy, DPL, Flap Closure with gauze (Pneumothorax), Jugular Vein Cannulation , (VCD).

- d. Practical Manoeuvres: Log roll, helmet removal, care of C-spine, Interosseous IV (Chicken thighs).
- e. Stimulated situations with models : (Designed by Prof. Yoel Donchin)
 - 1. RTA
 - 2. Bomb blast
 - 3. Building Collapse
 - 4. Earthquake - after shocks
 - 5. Natural disasters

f. Monitoring - Pulse, clinical pulse oximetry, ECG

Day II

Forenoon : Theory

Afternoon : Repeat practicals – practice under supervision

4. Total intake 100 candidates – 16 to each station

Day III (Examination)

8 – 10 am	Theory MCQ
10 – 11am	Candidates opinion of course (Questionnaire)
12 – 1 pm	Results and Graduation ceremony

I. Courses held so far:

a. Kodaikanal and Mudurai : Candidates from all India

5th – 7th July 2002

Sponsored by AFMOS (India) and ITACCS (Indian Chapter)

Course Director - Late Prof. K. Devakumar
 Course Co-Ordinator - Prof. M. F. Baig
 Observers - Prof. Martin G. Isaac
 Dr. N. Ganapathy

b. Chennai (Saveetha Dental College, Chennai) 20th – 22nd September 2002

Sponsored by ITACCS (Indian Chapter)

Course Director - Prof. M. F. Baig
 Course Co-ordinator - Late Prof. K. Devakumar
 Observers - Mr. C. G. Raghu
 FRCS, FRCS (Ed) (Kerala)
 Prof. Martin G. Isaac

c. Kashmir

Sponsored by Armed forces & ITACCS (Indian Chapter)

Course Director - Prof. .Y.V Suri
 Course Co-Ordinator - Late Prof. K. Devakumar
 Observers - Prof. Martin G. Isaac

d. Chennai (Saveetha Dental College, Deemed University)

19th – 20th October 2005

Sponsored by ITACCS (Indian Chapter)

Course Director - Dr. Michael J Parr
 Course Co-Ordinator - Dr. N. Ganapathy
 Observers - Prof. Martin G. Isaac,
 Prof. M. F. Baig

Course contents were modified and improved by Dr. Michael JA Parr and his Faculty.

e. So far candidates were from Andhra Pradesh, Kashmir, Kerala, Karnataka, Maharastra, Tamilnadu, and West Bengal. Course was well received as per the feed back, and requests for this course by various medical association have been received by Dr. N. Ganapathy

J. Concepts of Trauma care being new

a. Course manual was sent 1 month earlier to the candidates

b. As a follow up a manual “ Practical Guide to Trauma Care” by Prof. Martin G. Isaac is given to each candidate successful or unsuccessful. This manual is in its 2nd edition.

It was decided by the Committee on Dr. Martin G. Isaac’s suggestion that Dr. Parr will continue to be the Faculty Director till suitable National Instructors are trained and available. His consent will be sought

K. FTLS - only one course has been tried so far to streamline the course for the future, Dhanvantri College of Nursing, Erode.

Candidates: Nurses, Physiotherapist

Director : Dr. N. Ganapathy

L. The next CTLS courses is scheduled to be held in Agra, 6th – 7th Sept 2006, and in Coimbatore September 2007.

I. Future Plans

a. To have 4 courses per year. Dr. Martin G. Isaac had discussions with Dr. Veerian, Chancellor, Saveetha Dental College who has agreed to host 2 courses.

b. It was decided to seek Dr. Parr’s help to start a certified Instructor Course. He will be approached with this request.

CTLS ITACCS INDIA

AGRA (6th – 7th September 2006)

CTLS PROGRAMME

6.9.2006 (Day – 1)

7.30 – 8.15	Registration	45 Mins	
8.15 – 8.30	Inauguration	15 Mins	
TIME	TOPICS	TIME	SPEAKERS
8.30 – 9.00	Course Overview	30 Mins	Michael J.A. Parr
9.00 – 9.50	Initial assessment, primary survey, adjuncts and management. Secondary survey and adjuncts.	40 Mins (10 Mins – Question)	Tony Joseph
9.50 – 10.40	Airway assessment and management	40 Mins (10 Mins – Question)	N.Ganapathy
10.40 – 11.00	BREAK		
11.00 – 12.00	Airway/RSI/Cricothyroidotomy Workshop	60 Mins	All Faculty
12.00 – 12.50	Haemorrhage assessment and management	40 Mins (10 Mins – Question)	B.K. Rao
12.50 – 13.30	LUNCH		
13.30 – 14.20	Severe head injury assessment and management	40 Mins (10 Mins – Question)	Manish Mehrothra
14.20 – 15.10	Abdominal trauma assessment and management	40 Mins (10 Min – Question)	Gillian Bishop
15.10 – 15.30	BREAK		
15.30 – 16.20	Thoracic trauma assessment and management	40 Mins	Y.V. Suri
16.20 – 17.30	Chest tubes / Intraosseous Workshop	50 Mins	All Faculty

7.9.2006 (Day – 2)

TIME	TOPICS	TIME	SPEAKERS
8.30 – 9.10	Spinal trauma assessment and management	30 Mins	Maureen McCunn
9.10 – 10.00	Musculoskeletal trauma assessment and Management	40 Mins	Samir Suri
10.00 – 10.40	Burn trauma assessment and management	30 Mins (10 Mins – Question)	Manish Mehrothra
10.40 – 11.00	BREAK		
11.00 – 11.50	Paediatric and pregnancy	40 Mins (10 Mins – Question)	Healtheree Bailey
11.50 – 12.30	The elderly trauma patient	30 Mins (10 Mins – Question)	Michael J.A. Parr
12.30 – 13.30	LUNCH		
13.30 – 14.10	Definitive care	30 Min (10 Mins – Question)	Tony Joseph
14.10 – 14.50	Critical care transport	30 Mins (10 Mins – Question)	Gillian Bishop
14.50 – 15.10	BREAK		
15.10 – 16.00	Intensive care for trauma: the first 24 hours	40 Mins (10 Mins – Question)	B.K. Rao
16.00 – 17.00	Concluding session		Michael J.A. Parr

The following photographs vividly shows the latest CTLS course from start to finish (vide infra).
The following pictures show the conduct of the last course at Saveetha Dental College (Deemed University 19th – 20th October 2005



Venue of the CTLS Course 2005 at Chennai



Introducing the Faculty by Course Director



Registration of the Candidates



Dr. Micheal Parr, Course director, starting the Theory Classes



Inaugural Function



Theory Class in progress



Lunch Break discussion with the faculty



Training of Manual In-Line Axial Traction (MIAT)



Question time after a theory session



Completion of Intercostal Drainage



Hands on training - Airway



Training for Interosseous transfusion



Training of Intercostal Drainage (Sheep)



Candidates for graduation



Airway protection demonstration



Successful Candidates receiving the Certificate



Inauguration of Graduation Ceremony



Course Director express his view of the Course



Honouring the Founder Member Dr. Martin G. Isaac



Presentation of mementos to the Faculty



Candidate who stood first in the Course



The Faculty



Candidate expressing her view of the Course



Faculty relaxing after Course