



Minutes of the meeting of the ESTES Polytrauma section

May 7, 2018

1. Education

Course: Polytrauma Management “beyond ATLS

The course has been going on since 2003 in various locations and has been held 27 times. It is complimentary to existing courses (ETC, ATLS), as it covers the entire chain of treatment. The organizers feel that a *steering board* should be installed to provide input. Members of the Polytrauma section will respond to who is interested to join. Spontaneously, *Ruben Peralta, Olivera Lupescu, Falco Hietbrink and Rebecca Hasler* responded. The further communication should be addressed to Roman Pfeifer (Romanpfeifer@aol.com).

2. Definition of Polytrauma Survey

It is discussed that an online survey has been sent around by ESTES as follows:

From: ESTES OFFICE <office@estesonline.org>

ESTES - Survey for interobserver variability of multiply injured patients
by the Polytrauma Section

Dear ESTES National Delegate,
some of the members of the Polytrauma Section have worked on the new definition of polytrauma some years ago. Nevertheless, there is limited information on whether the current assumptions are valid and if there is a relevant interobserver variation. Moreover, it is unclear as to whether any variation varies depending on the degree of clinical expertise, and if so, how much.
We therefore have developed a survey to address this issue and kindly ask you to fill it out within the next week: <https://de.surveymonkey.com/r/LLWY3W9>
All the best and thanks in advance,
Sincerely
HC Pape (on behalf of the Polytrauma Section)

It is discussed that this survey should be filled out and be addressed in the **2019 meeting**.

3. AdHOC Score as a follow-up of the “BERLIN Definition” Initiative

The use of the Berlin definition showed that an assessment score is required to allow safe and easy assessment of patients, ideally independent of ISS. As pointed out by R. Lefering in 2014, ISS is not regularly available in the ER. Therefore, a new scoring system to was developed (Knoepfel A, Pfeifer R, Lefering R, Pape HC, Traumaregister DGU)

to assess patients early after injury, it is independent of the ISS and covered by the following parameters:

AdHOC (Age, Head injury, Oxygenation, Coagulation) score.

Adhoc Score

Age age > 65 years (21.8%)

Head GCS <12 (33.5%);
irregular pupils (40.8 %); irregular light reaction (35.6%)

Oxygen lactate >4 (33.4%),; base deficit <6 (34.6 %), Horovitz ratio
($\text{paO}_2/\text{FiO}_2$) \leq 200; (28.5%) shock (sysBP \leq 90mmHg)
(33.7 %); blood transfusion (27.9%), Hb < 7g/l (48.8%).

Coagulation INR >1.4 (26.6 %)

It is presented that a validation group is missing and currently, it can only be obtained from the 2016 DGU data base.

Mauro Zago therefore suggests that the score is being made available to ESTES members and data should be collected to allow for a validation group. Aitor Andaluze suggests to use REDCAP for that and offered to be the committee representative.

4. Install group that looks at guidelines for early surgical management

The S3 guidelines were just published in the European Journal and provides a solid basis. All attendees agree that ESTES should have internal guidelines - as published by the skeletal trauma section – for polytrauma. Christoph Josten reports that the Berlin definition has worked the same way, by preparative meetings, followed by a decisive group discussion. Loek Leenen was also part of the group deciding about the Berlin definition and agrees on the way.

It is decided that

- a. *a WEBEX will be done in about 6 weeks*
- b. *a meeting will take place in Zurich in fall, favourably during or after the polytrauma course in Zurich (September 20/21, 2018).*
- c. *The group should present a the results during the 2019 meeting*

5. Nominees for the committee

Red cap: Aitor Andaluze

Polytrauma course: Roman Pfeifer

TBI: Falco Hietbrink, Rebecca Hasler

early Surgical management: Olivera Lupescu, Diego Mariani

secondary surgical management: Loek Leenen, HC Pape

REBOA: Christoph Josten, Ruben Peralta

Scoring: Rebecca Hasler, Chr. Josten

Pelvis: Matteo Marconi, Diego Mariani, Loek Leenen, Chr. Josten, Olivera Lupescu

6. Topics for the 2019 meeting

Christoph Josten – in his role as incoming president - points out that the group should provide input for the 2019 meeting.

After a brief discussion, the following topics for ***ECTES 2019 Prague***, are proposed:

- a. Traumatic brain injury in polytrauma and in conjunction with ARDS
- b. Criteria for early surgery
- c. Criteria for secondary surgery
- d. Strategies for pelvic ring fixations 1. Prehospital, 2. In the ER, 3. During reconstruction
- e. REBOA: indications and use
- f. Scoring in the ER
- g. Scoring in the ICU

On behalf of the polytrauma section, Hans-Christoph Pape and Aitor Andaluze