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REPORT OF THE AD-HOC COMMITTEE ON INJURY SCALING

Co-Chairmen

Dr. John W. Melvin, HSRI, Ann Arbor, USA and
Dr. Claude H. Tarriere, Peugeot-Renault Association, Paris France

It has become evident in discussion with researchers who are active in cadaver impact injury research that the problem of scaling and rating the injuries experimentally produced in cadavers is a wide ranging problem that is not easily attacked by a group committee action.

Areas which are of concern in cadaver testing are:

1. Test subject selection criteria
2. Test subject preparation procedures
3. Post-test autopsy procedures
4. Injury rating

The importance of the need for comparability of all these techniques, as used by the different teams conducting this type of research, has been agreed upon in this workshop since its inception. As a first step towards attacking the problems, it is proposed that the body be divided into the following regions for purposes of developing suitable protocol for autopsy and injury rating:

- a. Head
- b. Spine
- c. Thorax
- d. Abdomen
- e. Pelvis/Lower extremities

It is recognized that in whole body testing programs, the areas of selection and preparation tend to include considerations of all of

the body regions. Thus, establishment of criteria for test subject selection and preparation should be based on an overall, whole body protocol.

It is proposed that a method to initiate the development of suitable protocol would be to seek volunteers from the workshop attendees to work on each of the above topics. Each volunteer would be responsible for developing a protocol for a particular body region which would include autopsy procedures and injury rating. Suggestions for criteria and techniques of selection and preparation for that body region would also be appropriate -- even though other volunteers would be dealing with overall criteria. Each volunteer would prepare a draft of his recommendations and submit it to Dr. J. W. Melvin in the USA and Dr. Tarriere in Europe. They will distribute the draft to the research teams who are currently active in cadaver testing for their review and evaluation. The research teams will then return the drafts with their reviews to the chairmen who will coordinate the responses and prepare a discussion for the next meeting of the group.

The following persons volunteered to develop protocol:

Body Region	USA	Europe
Overall Coordination	J. W. Melvin, HSRI	C. H. Tarriere, Peugeot-Renault
Cadaver Selection	M. J. Walsh, Calspan	
Head	R. L. Stalnaker, HSRI and R. W. Smith, U-Cal San Diego	C. H. Tarriere, Peugeot-Renault and possibly I. D. Neilson, TRRL
Spine	R. S. Levine, Wayne State	D. Kallieris, Heidelberg
Thorax	D. H. Robbins, HSRI	arranged by D. Tarriere, possibly M. Dejeammes, ONSER
Abdomen,	J. W. Melvin, HSRI and R. E. Burney, U-Mich Hospital	none named

Body Region	USA	Europe
Pelvis/Lower Extremities	J. D. States, U-Rochester and R. S. Levine, Wayne State	none named

In addition, Dr. D. L. Berens, a radiologist at SUNY-Buffalo, will develop guidelines for both pre- and post-test radiological examination of cadavers. He will recommend a standard set of x-ray views that will be directly comparable to those obtained at hospital emergency rooms. The views will not be limited to a skeletal examination only.