

IAA Study Group Status Report

Responsible Commission: COMMISSION 2 on Space Life Sciences

Study Number and Title: SG 2.9 International Standards for Bed Rest Studies

Short Study Description (repeat from Study Group Proposal):

Overall Goal: To define and agree internationally, standard conditions and basic, standard measurements for space flight related bed rest studies.

(Expected scientific or practical benefit of the study group's efforts)

Intermediate Goals: To exchange and analyse existing standards for bed rest studies of different agencies; identify differences and clarify rationales for them; identify approaches to standardized measurements between the agencies; through study group meetings, possibly in conjunction with IAA/IAC symposia, attempt to describe a set of standard conditions and measurements that increase comparability and overall level of quality for bed rest study results. Prepare descriptive report, as well as a “requirements checklist” to evaluate a given bed rest study against the internationally agreed standards. Present the study outcome at scientific symposia.

Progress in past six months:

The bedrest standardization group has been divided in two groups: Study standardization and standardization of measurements.

Bedrest Study standards: The three existing standards (ESAs, NASAs, and the former IMAGs) for bedrest studies have been collected. These will be distributed among the group. One or more teleconference(s) will be organized in 2009 and a workshop will be planned for the first half of 2010.

Standard measurements: R. Cromwell, I. Larina and P. Sundblad, have recruited necessary expertise in USA, Russia, and Europe, respectively, in order to develop a draft international set of standard measurements for bedrest studies. Three different lists of measurements has been produced. Next step is to conduct a series of teleconferences, one per discipline, in order to elaborate on possible international harmonization. Once a draft international list is available the rest of the study group will be engaged.

Website Study Information up to date? (Study Group Membership, Study Plan and Schedule): Membership should be updated

Issues requiring resolution? (recommend approach):

No

Product Deliveries on Schedule? (If modified explain rationale):

Yes

Study Team Member Changes? (next page)

4 new members

Name of person providing Study Group Status (Study Group Chair or Co-Chair):

Patrik Sundblad

Status Report Date: 05/10/2009

Study Team Membership Changes

Effectivity Date:

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