

STA Education Committee

Committee Chair's Notes

[1] The following notes concern the Education Committee of the Society for Technology in Anaesthesia held 9:30 – 11:00 on Friday 14 January 2004. More notes from Dr. Robert Loeb, who took the formal minutes of the meeting, are provided later in this document.

[2] The committee will develop an “online virtual office” where key documents and works-in-progress can be made readily available. This will be at <http://STAeducation.homestead.com>

[3] A list of committee members and their addresses will be made available at this site.

[4] The primary initial goal of the committee will be to contribute a section to the STA newsletter (Interface) that would be published several times annually and would consist of one to two pages on some resource concerning anesthesia education.

[5] Jim F. Szocik, MD (University of Michigan) has agreed to head up the newsletter section, assisted by Robert G. Loeb, MD

[6] The first contribution for the newsletter section will concern the Virtual Anesthesia machine and will be contributed by Dr. Sem Lampotang from Gainesville, FL

[7] The development of a series of PowerPoint slidesets on various topics in anesthesia technology that could be readily adapted for anesthesiology instructors around the world would be another potentially useful initiative.

[8] The notion of developing a series of “learning objects” on anesthesia technology topics was discussed, but it was decided that this should not be pursued as a primary initiative.

[9] There is a need for a series of “copyleft” photographs and video clips of anesthesia equipment and the like that can be freely used for presentations, papers and the like.

[10] There is a need to evaluate / review a number of electronic teaching resources for possible publication as reviews in Interface, in A & A, or elsewhere. Examples include Doyle’s “Oxygen Transport Model” (written in JavaScript), and the Web sites capnography.com and breathsim.com

[11] Dr. Doyle agreed to develop a sample “Permission Request Form” that might be used to request permission to use various materials for our various educational initiatives. When completed, this will be posted for review.

[12] Maki Morimoto, MD (New York University School of Medicine) has agreed to make available video clips pertaining to the use of ultrasound for regional anesthetic blocks for use in anesthesia education.

[13] Dr. Charlotte Bell has suggested that the STA education committee may be able to make recommendations about curricular content and goals related to anesthesia technology education to the ASA House of Delegates.

STA Education Committee

Notes from Dr. Robert Loeb

Technology Education Committee Minutes

The meeting convened on 1/13/05 at 9:30 am at the STA Annual Meeting in Miami Florida

Attendees:

- Dr. John Doyle, Committee chairman, asked that the members introduce themselves.
- **Action item** - Dr. Doyle volunteered to create a workplace on the Internet as repository of shared documents.
- Dr. Doyle asked for members to share their vision of educational goals to be developed
 - **Goal** - Dr. Szocik; "we need to teach anesthesia technology, as well as use technology to teach anesthesia"
 - **Goal** - Dr. Loeb; "we need to develop curricular guidelines as SAMBA has done for ambulatory anesthesia"
 - **Goal** - Dr. Hagenouw; "we need to teach deep knowledge about technology, for example, how pulse oximeters work"
 - **Goal** - Dr. Doyle; "we need to develop a list of educational resources for anesthesia technology that are already available"
 - **Goal** - Dr. Doyle; "we should obtain educational materials from industry"
 - **Goal** - Dr. Doyle; "we should have an educational corner section in every STA Newsletter"
- **Action item** - Dr Szocik agreed to make space for an educational corner section in every STA newsletter. He would like someone else to volunteer to ensure content (i.e., be an editor of the section)
 - **Goal** - Dr. Doyle; "we could provide an indexed online library of learning objects (e.g., illustrations, text, video) that we could license for use by other educators"
- **Action item** - Dr. Doyle will draft an intellectual property form letter that could be used for licensing use to other educators
 - **Goal** - Dr. Morimoto; "I am interested in developing educational media (including video) to teach ultrasound guided regional blocks.
- **Action item** - Dr. Lampotan agreed write the first article for the educational newsletter, which will be a "tidbit" from the virtual anesthesia machine website. Due date - end of February
- **Action item** - Dr. Loeb agreed to serve as editor of the educational corner. He will invite other authors of established educational web sites to submit a short "tidbit"
- The meeting was adjourned at 10:55 am

Post Meeting Discussion Notes

[14] POSSIBLE MISSION STATEMENT

The STA education committee aims to provide a variety of high-quality educational resources and educational reviews concerning clinical anesthesia, its scientific foundations, and anesthesia-related technology.

[15] POSSIBLE VISION STATEMENT

To become a premiere educational anesthesia resource recognized world-wide for its diversity and its excellence.

[16] Possible topics that might be developed into educational resources, lectures or newsletter articles / synopsis might be:

- Fundamentals of Pacemakers and AICDs
- Fundamentals of Electrical Safety in the OR and ICU
- Physics of Gases and Fluids for the Clinician
- Clinical Applications of Doppler Technology
- Why Human Factors / Ergonomics Matters in the OR / ICU
- Statistics, Experimental Design and Meta Analysis
- Principles of Physiological Measurement
- Neurophysiological Monitoring
- Lasers and Laser Safety
- Fundamentals of Hemodynamic Monitoring Technology
- Safety of Patient-Controlled Analgesia
- History of Anesthesia Technology

[17] Dr John Pawlowski of Beth Israel Deaconess Medical Center has indicated that he might be able to provide some TEE video clips for use in anesthesia education.

[18] Dr. Doyle has a collection of video clips pertaining to the GlideScope video laryngoscope for possible use in anesthesia education. Some of these clips are available in MPEG4 format from www.glidescope.net, an educational resources he runs.

[19] Dr. Julian Goldman (julian@acmeanesthesia.com) has a series of narrated AVI format video files related to his website breathsim.com that he is willing to make available to the committee.

[20] Experience shows that it may be wise to make video clips available in a variety of digital formats (MPEG1, MPEG2, MPEG4, AVI, DIVX, Apple Quicktime etc.) Programs such as Adobe Premiere are readily able to do the required conversions.

[21] A discussion forum such as that offered by Yahoo Groups may be of value in conducting the committee's business.

[22] POSSIBLE PERMISSION REQUEST FORM

The Education Committee of the Society for Technology in Anesthesia is undertaking a project to make freely available a variety of educational materials in a number of electronic formats (WWW, CD-ROM, DVD etc.) It is the committees intent that the resources in the collection be made available without cost or prior permission to all interested parties by download or by other means. To this end we are requesting permission to include the following item in our collection.

RESOURCE DETAILS GO HERE

If you are the owner of this item, we would like permission to include it in our collection. If you are not the owner of this item we would greatly appreciate knowing who is. If you have any questions, please contact us at _____

I give permission for the Society for Technology in Anesthesia to add the above resource to its collection of educational resources.

NAME

SIGNATURE

POSITION

DATE

Respectfully Submitted

D. John Doyle

Chairman, STA Education Committee

February 8, 2005