Report of the Brazilian Society of Anesthesiology (SBA) on its actions regarding the implementation of the Helsinki Declaration on Patient Safety in Anaesthesiology

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Effective member of the Education Committee – WFSA
Co-opted member of the Publications Committee - WFSA
About SBA

- Civilian society
- Founded 1948
- Headquarters in Rio de Janeiro
- Mission
  - to congregate anesthesiologists in Brazil, continuously promoting training, technical and scientific updating, implementation of professional defense actions, and encouraging the commitment of the specialty with the medical community and the society as a whole.
Facts

- 10,500 associates
- 98 accredited anesthesia training centers
- 1500 trainees
- Official publication:
  - Revista Brasileira de Anestesiologia
    - Brazilian Journal of Anesthesiology
    - Printed and online versions
    - English/Portuguese
    - Online Spanish version
    - Currently indexed on MEDLINE, Web of Science, Scielo)
Official Meetings

- JONNA
  North-Northeast - March

- JOSULBRA
  South - April

- JASB
  Southeast - June

- JABC
  Central - August
Federal regulation of the practice of anaesthesia in Brazil

Resolution 1802/2006 from the Federal Council of Medicine with technical assistance of SBA regulates the practice of anaesthesia in Brazil.

Main content:
1. Pre-anaesthesia consultation
2. Perioperative records
3. No simultaneous anaesthesias by the same anaesthesiologist
4. Pre-anesthesia assessment of safety conditions of the surgical theatre
5. Providing means for safe anesthetic procedures is an obligation of the institution
6. Basic monitoring standards
   a. Cardioscope
   b. Blood pressure monitor
   c. Pulse oximeter
   d. Capnograph (deep sedation and general anaesthesia)
7. Post-anesthesia care unit
   a. Standard monitoring equipment and procedures
   b. Records
   c. Discharge from PACU is anaesthesiologist’s obligation
CONTINUITY
We invite anyone involved in healthcare to join us and sign up to this declaration.

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BULICIAN SOCIETY
OF ANAESTHESIOLOGY
SBA

NAD DE RUIT

EUROANAESTHESIA 2010 ON SUNDAY, 13 JUNE 2010
What have we done since then?
The Helsinki Declaration on Patient Safety Heads of Agreement

HEADS OF AGREEMENT

We, the leaders of societies representing the medical speciality of anaesthesiology, met in Helsinki on 13 June 2010 and all agree that:

- Patients have a right to expect to be safe and protected from harm during their medical care and anaesthesiology has a key role to play improving patient safety perioperatively. To this end we fully endorse the World Federation of Societies of Anaesthesiologists International Standards for a Safe Practice of Anaesthesia.¹
- Patients have an important role to play in their safe care which they should be educated about and given opportunities to provide feedback to further improve the process for others.³
- The funders of healthcare have a right to expect that perioperative anaesthesia care will be delivered safely and therefore they must provide appropriate resources.
- Education has a key role to play in improving patient safety, and we fully support the development, dissemination and delivery of patient safety training.⁵
- Human factors play a large part in the delivery of safe care to patients, and we will work with our surgical, nursing and other clinical partners to reliably provide this.⁶
- Our partners in industry have an important role to play in developing, manufacturing and supplying safe drugs and equipment for our patients’ care.
- Anaesthesiology has been a key specialty in medicine leading the development of patient safety. We are not complacent and know there are still more areas to improve through research and innovation.⁷
- No ethical, legal or regulatory requirement should reduce or eliminate any of the protections for safe care set forth in this Declaration.
Implementing the WHO Safe Surgery Checklist

What about adherence and attitudes of Brazilian anaesthesiologists towards the Project?
A survey on the use of the WHO Surgical Safety Checklist

- 2012 Brazilian Congress of Anaesthesiology
- 500 subjects (anaesthesiologists and residents)
  - Around 15% of congress delegates
- Variables:
  - Demographic data
  - Attitudes towards the checklist
- Outcome variable:
  - Frequent use of the checklist
  - in 70% or more of cases
A survey on the use of the WHO Surgical Safety Checklist

**Results**

Participants who reported frequent use of the checklist: 45%

<table>
<thead>
<tr>
<th>Independent predictors for the frequent use of the checklist</th>
<th>OR</th>
<th>95% C.I. for OR</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Lower</td>
</tr>
<tr>
<td>Private practice</td>
<td>1.62</td>
<td>1.08</td>
</tr>
<tr>
<td>Major surgeries</td>
<td>1.76</td>
<td>1.22</td>
</tr>
<tr>
<td>Knowledge of the project</td>
<td>1.45</td>
<td>1.19</td>
</tr>
<tr>
<td>Beliefs on the benefit of the checklist in preventing anesthetic mishaps</td>
<td>1.36</td>
<td>1.04</td>
</tr>
</tbody>
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Backward stepwise logistic regression. Overall correct classification at 0.5 cutoff = 64%
A survey on the use of the WHO Surgical Safety Checklist

Conclusions

To increase the frequent use of the checklist we must:

• Foster its use in public hospitals
• Foster its use in EVERY surgical procedure
• Educate people on the Project
• Educate people on the benefits
we fully support the development, dissemination and delivery of patient safety training.

- Insertion of lectures, workshops and forums on patient safety and quality management in every SBA-sponsored meeting throughout the country.
- Printed and web-based instructional material available to associates
... we fully endorse the World Federation of Societies of Anaesthesiologists International Standards for a Safe Practice of Anaesthesia.
SBA starter kit content

• Quality and safety in healthcare
• Quality indicators
• Risk management
• Safety culture
• Organization and management of anesthesia services
• Safety Checklist (WHO), CRM
• Communication techniques
• Security checklist for general anesthesia
• Checklist safety in anesthesia
• Realistic simulation in anesthesia

• Computerized systems in Anesthesiology
• Informed Consent
• Avoiding medication errors
• Prevention of Infection
• Technology and management of anesthesia equipment
• Occupational risk and patient safety
• Hospital accreditation programs
Web-based instructional material available to associates

Kit contents:
Anaesthesia: useful information
Safe Anaesthesia
Intraoperative awareness: myths and truths
Consciousness during general anaesthesia

SBA actions to implement Resolution 1802/2006 include:

1. Educational initiatives using its channels of communication with associates:
   1. Homepage
   2. Meetings

2. Mandatory compliance with Resolution 1802/2006 at the 98 Anesthesia Training Centers accredited by SBA
   1. Annual report
   2. Periodical visitations
   3. Surveys

   1. Revises an comments Brazilian jurisprudence on legal aspects of the practice of anesthesia
   2. Most issues are related to violations of Resolution 1802
   3. Includes a best practices section
Human factors play a large part in the delivery of safe care to patients...
Human factors play a large part in the delivery of safe care to patients...

Training courses provided to associates

- Advanced life support in anaesthesia
- Airway management
- Transesophageal ecocardiography
- Crisis management
Developing technical standards to industry

1. **EQUIPMENT**: SBA is a member of the Brazilian Association of Technical Standards:
   a. Revises, translates, and implements ISO standards for safety in anesthesia care
   b. Creates national standards for anesthesia respiratory equipment

2. **DEVICES**: SBA collaborates with the National Sanitary Agency of the Ministry of Health to produce regulation on properly labeling of latex-containing medical supplies and other issues regarding anesthesia devices

3. **DRUGS**: SBA signed agreements of technical and scientific cooperation with the Institute of Safe Medication Practices and the Brazilian Society of Hospital Pharmacy and Health Care Services
Further actions

• Improve SBA Critical Incident Reporting System
  – Currently collected only in the 98 accredited training centers
  – Underreported
  – Collaboration with the Ministry of Health

• Carry out follow-up surveys to measure the effectiveness of the educational actions on patient safety issues
SBA acknowledges that

... there are still more areas to improve through research and innovation.
SBA reassures that

No ethical, legal or regulatory requirement should reduce or eliminate any of the protections for safe care set forth in this Declaration.