

Mandibular Advancement Bite Block (MABB)

Device At-A-Glance

- **Patent**
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- **Title**
Mandibular
Advancement Bite
Block
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- **Laboratory**
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- **Exclusive or
Nonexclusive Licenses
Available**

The Technology

There is a need for improved bite blocks. This new device is particularly suitable for use during sedation to prevent apneic events and/or a decrease in oxygen (O₂) saturation. The modifications include upper and lower blocks slidably movable relative to each other for optimal bite position, and to draw/maintain the tongue forward by protruding the mandible in order to maintain an open airway and open oral cavity to allow dental treatment to be completed. Pending patent application may be viewed under a Non-Disclosure Agreement (NDA).

Applications

- Research Tools
- Dental/Medical Devices

Highlighted Benefits

- Relative ease of manufacturing
- Particularly suitable for use during sedation to prevent apneic events and decrease in O₂ saturation.
- Could be used in medicine during surgery to maintain an open airway and prevent the mandible from falling back and collapsing the airway during surgery/ sedation.
- MABB is the only bite block that doesn't just maintain and open oral the cavity, it holds the mandible in a forward position while also maintaining the mandible in an open position.
- Could be made to be single use for the battlefield/emergency medicine (EMT).
- Could be made to be multiple use and sterilized for clinics.

