

Ethics of using robotics in surgical procedures

What is the ethical issues in operating room?

- The most common ethical challenges in operating rooms are:
 - not sincerely communicating with patients,
 - ignoring patients' expectations,
 - failure to follow the sterility principles,
 - wrong surgery,
 - refusing of admitting some patients for surgery,
 - failure to receive informed consent from the patients, and
 - incorrect ...

What are the benefits of robotic surgery?

- **For most patients, robotic surgery offers numerous benefits, including:**
- Reduced post-surgery pain.
- Less blood loss.
- Fewer and smaller scars.
- Increased precision for more accurate joint replacements.
- Faster recovery.
- Shorter hospital stay.
- Less risk of infection.

What are ethics of using robotics in surgical procedures?

- The First Law of Robotics states that “A robot may not injure a human being or, through inaction, allow a human being to come to harm.” Applying this law with the surgeon as seat of the robot's autonomous will accords with the ethical principle of **nonmaleficence that requires that physicians' actions not intentionally ...**

What are the ethical concerns of robotic surgery?

- In case of an undesirable outcome, in addition to physician and hospital, the manufacturer of the robotic system may be sued. In respect to ethical issues in robotic surgery, **equipment safety and reliability, provision of adequate information, and maintenance of confidentiality** are all of paramount importance

What is the main disadvantage of using robotics in surgery?

- Disadvantages of robot-assisted surgery are: **Only available in centers that can afford the technology and have specially trained surgeons.** Your surgeon may need to convert to an open procedure with larger incisions if there are complications. Dec 15, 2021

What are the pros and cons of medical robots?

- **In order to give you a better perspective, here are the benefits and the downsides of robotic surgery:**
- Advantage #1: Smaller Incisions and Less Trauma.
- Disadvantage #1: The Expense of Surgery.
- Advantage #2: Higher Surgical Accuracy.
- Disadvantage #2: Movement Latency.
- Advantage #3: Reduced Surgeon Fatigue.

