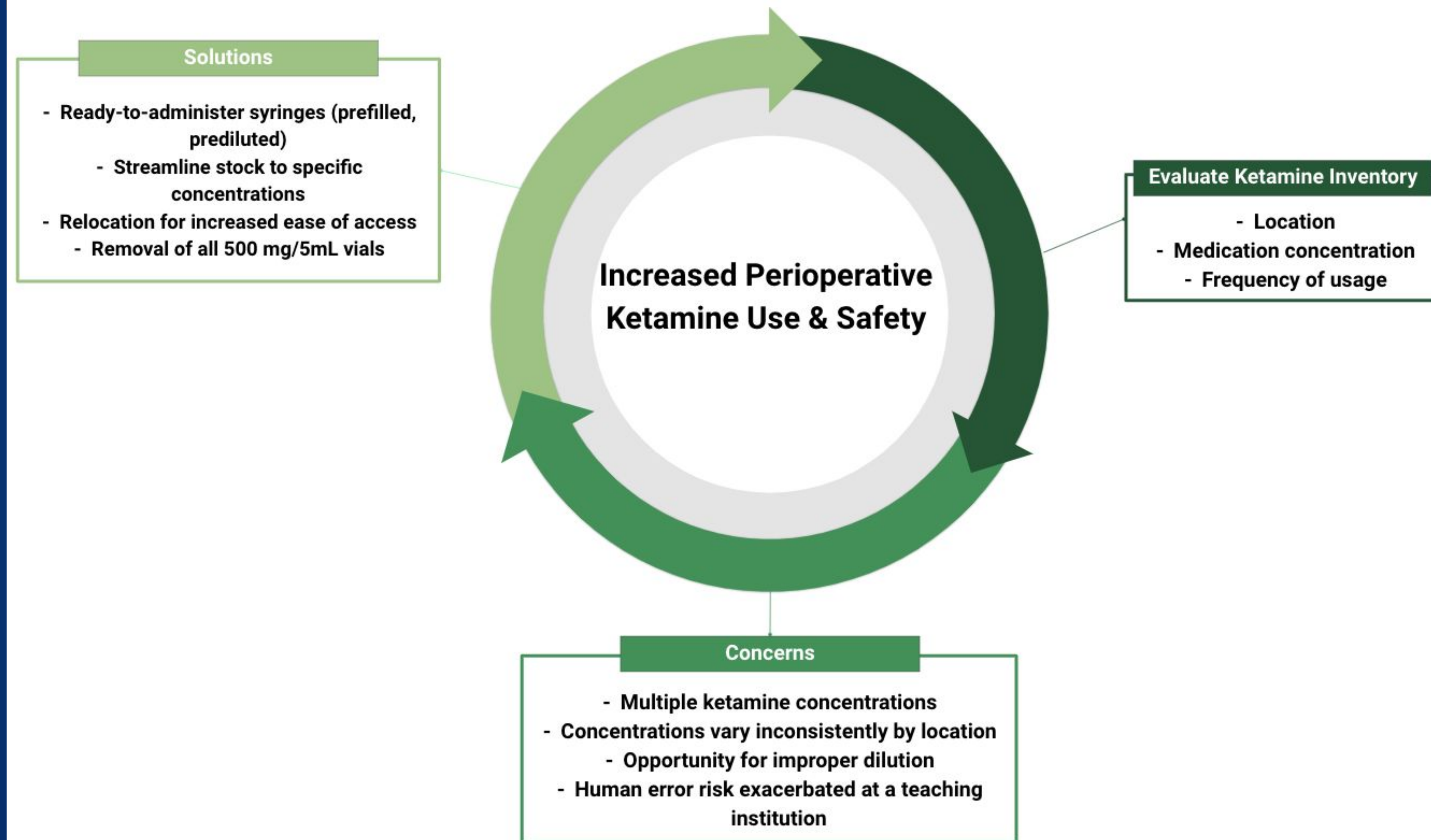


Cut Ketamine Dilution & Concentration Errors

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Ketamine use as a perioperative pain adjunct has been steadily increasing



INTERVENTION

- Based on hospital ketamine inventory data, a multi-intervention collaboration with Pharmacy was developed to increase ease of access without compromising patient safety
- Planned interventions include:
 - substitution to prefilled, prediluted ready-to-administer syringes in all studied locations
 - decreased stock of 200 mg/20 mL and 500 mg/10mL vials
 - maintained in the event of supply issues
 - removal of all 500 mg/5mL vials
- The new prefilled ketamine syringe stock will be standardized across all procedural rooms
- improving provider satisfaction and decreasing burnout, a known predictor of medication administration errors

OUTCOMES

- Standardized placement of ketamine vials and substitution to prefilled-syringes leads to:
 - Increased ease of access
 - Streamlined care
 - Increased likelihood that ketamine will be used as a perioperative opioid-sparing pain adjunct
 - Decreased peri and post-operative opioid use
 - Improved postoperative pain control
 - Increased patient and provider satisfaction
- Patient safety is addressed by minimizing opportunity for human error, specifically within an academic environment

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