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Introduction

Over the past few years, there has been a significant increase in the use of Office-Based Surgery (OBS) and Office-Based Anesthesia (OBA). This is due to the convenience and cost savings associated with these procedures. However, there has been a growing concern about the safety of these procedures, particularly in terms of patient selection, procedure or surgery performed, surgeon qualifications, anesthesia provider qualifications and training, medications used, equipment for anesthesia administration and resuscitation, and office accreditation.

Recently, however, the conveniences of OBS and OBA have been challenged by an increasing number of research studies and media reports addressing concern on the safety. For example, a study by Vila et al. in 2008 concluded that OBS and OBA were not safe when compared to outcomes found in accredited ambulatory surgery centers.¹ The results of this study initially prompted the state of Florida to issue a moratorium on certain types of OBS and OBA. These actions prompted much interest in providing evidence to further examine OBS and OBA practices. In 2011, a retrospective study done by Starling, challenged earlier findings and indicated that Villa's study was flawed and the conclusions were erroneous.²

Safety associated with OBS and OBA procedures not only has global implications, but the efficacy and outcomes of these procedures are linked to identifiable factors. Factors that are potentially associated with OBS and OBA safety include patient selection, procedure or surgery performed, surgeon qualifications, anesthesia provider qualifications and training, medications used, equipment for anesthesia administration and resuscitation, and office accreditation.³

Musical score for three staves. The top staff begins with a treble clef and a key signature of one flat. The notation includes various rhythmic values, accidentals, and dynamic markings. The score is contained within a rectangular border.

Major focus on OBA

Musical score for three staves, continuing the piece. It features complex rhythmic patterns and dynamic markings. The notation is dense and includes various musical symbols.

What Does the Evidence Indicate?

Musical score for three staves, focusing on a specific section of the music. The notation includes various rhythmic values and dynamic markings.

Table 2: Studies Related to OBS Safety

<p>Failey et al.¹⁶</p>		<p>4</p>
<p>Vila et al.⁸</p>		
<p>Starling et al.⁶</p>		
<p>Rosenberg et al.¹⁷</p>		
<p>Pollock et al.⁴</p>		
<p>Blake¹⁵</p>		
<p>Hoefflin et al.¹⁸</p>		
<p>Fleisher et al.¹⁹</p>		
<p>Keyes et al.²⁰</p>		
		<p>20</p>

Conceptual Model Development

Conceptual Model Development



Key Findings

Key Findings

Implications for Anesthesia Education, Practice, and Research

Implications for Anesthesia Education, Practice, and Research

Quick Reference Guide Development

Quick Reference Guide Development

Conclusion

Conclusion

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References

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