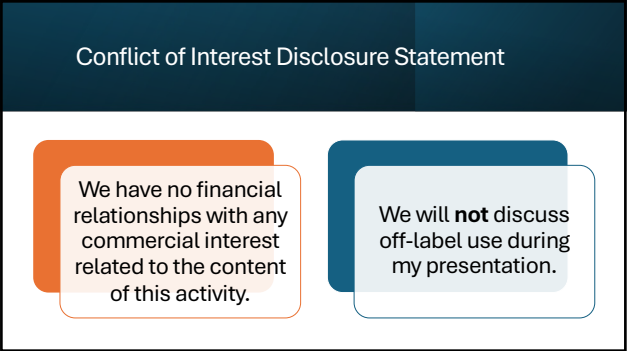


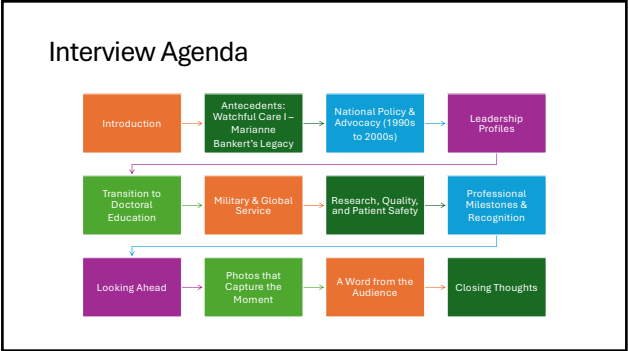
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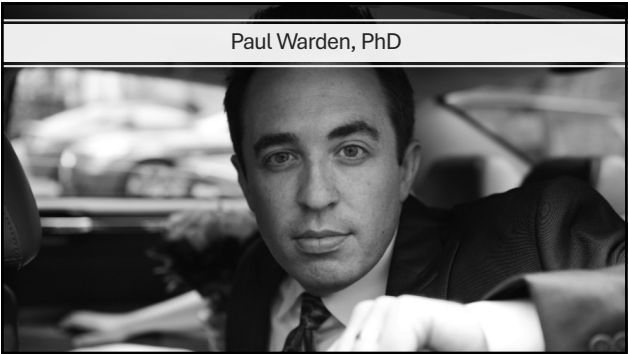
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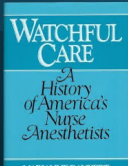



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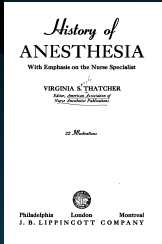
Antecedents: Watchful Care I



Marianne Bankert's Legacy

7

History of Anesthesia, with Emphasis on the Nurse Specialist.
Virginia S. Thatcher (1917-2004)



Alice Magaw Agatha Hodgins Gertrude Fife

8

1. National Policy & Advocacy

Watchful Care Volume II
1990s to 2000s



9



1990 AANA Annual Meeting



1988 AANA Annual Meeting



1990 AANA Board of Directors



CENTERS FOR MEDICARE & MEDICAID SERVICES

10

CRNAs in the Hill!!


Tomorrow, over 250 Certified Registered Nurse Anesthetists, or CRNAs, will be meeting with their Members of Congress to discuss important issues, including:

- Support for states' rights on the issue of physician supervision, thereby eliminating needless federal Medicare requirements restricting the practice of CRNAs.
- Reduction in fraud and abuse in anesthesia by reforming the antiquated Medicare Medical Direction regulations.

Come to America!

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Jan Stewart
1952 - 2002



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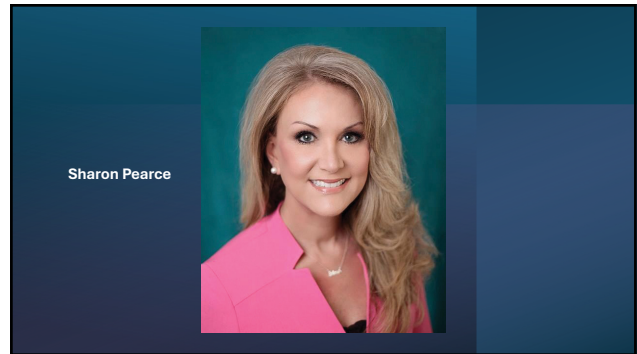
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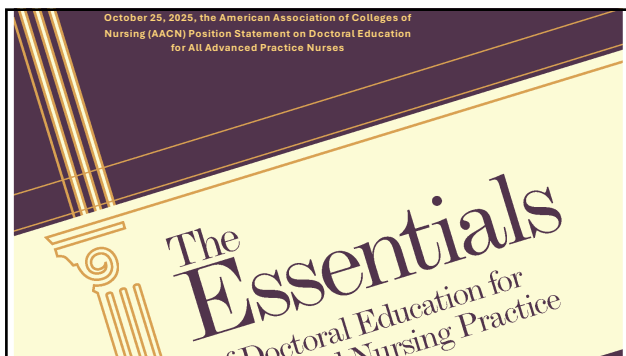
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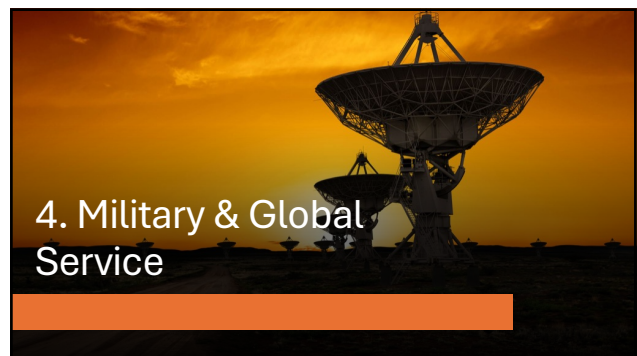
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USMC Nurse Anesthesia Team Participates in Mission Trip to Honduras, 2022

26

International Federation of Nurse Anesthetists

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5. Research, Quality, and Patient Safety

AANA GET THE FACTS

Quality of care.

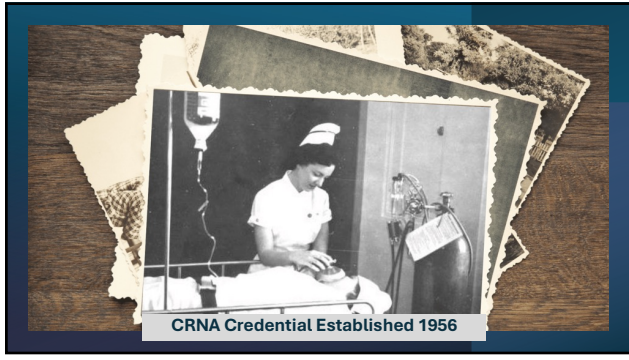
There is overwhelming evidence that CRNAs provide superior anesthesia care.

Research shows there is no difference in safety between CRNAs and anesthesiologists. The safety record of CRNAs is supported by a large body of research, including a meta-analysis published in the *British Medical Journal* in 2014.

KEY STUDIES OF PATIENT SAFETY

Study	Authors	Year	Findings
Dolan & Croswell, 2016 (Health Affairs)	Dolan & Croswell	2016	CRNAs provide anesthesia care for 40% of patients in the United States. The study found that CRNAs have a lower rate of complications than anesthesiologists.
Regina et al., 2016 (Medical Care)	Regina et al.	2016	The study found that CRNAs have a lower rate of complications than anesthesiologists.
Leeds et al., 2014 (Cochrane)	Leeds et al.	2014	The study found that CRNAs have a lower rate of complications than anesthesiologists.

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No Harm Found When Nurse Anesthetists Work Without Supervision By Physicians

Paul F. Hugin, Rita F. Scott, Carol S. Moore, Brian E. Samsom

Cost Effectiveness Analysis of Anesthesia Providers

Anesthesia Provider Model, Hospital Resources, and Maternal Outcomes

Jack Needleman and Ann F. Minnick

Objective: Determine the ability of anesthesia provider model and hospital resources to explain maternal outcome variation.

Data Source/Study Setting: 1,141,641 obstetrical patients from 393 hospitals that reported at least one live birth in 2002 in six representative states.

Study Design: Logistic regression of death, anesthesia complication, nonanesthesia maternal complication, and obstetrical trauma for patients and those having cesarean deliveries on anesthesia provider model, obstetrical and anesthesia, and patient variables.

Data Collection/Extraction Methods: Data was assembled from information given by hospitals in state agencies and from a 2006 survey of obstetrical registration resources.

Principal Findings: Anesthesia complication rates in anesthesiologist-only hospitals were 0.07 percent compared with 0.23 percent in certified registered nurse anesthetist (CRNA)-only hospitals. Rates among other provider models varied from 0.14 to 0.37 percent with none statistically different from the anesthesiologist-only hospitals. A similar pattern was observed for rates of other outcomes. Multivariate analysis found no systematic differences between hospitals with anesthesiologist-only models and models using CRNAs. There was no consistent pattern of association of other hospital or patient characteristics with outcomes.

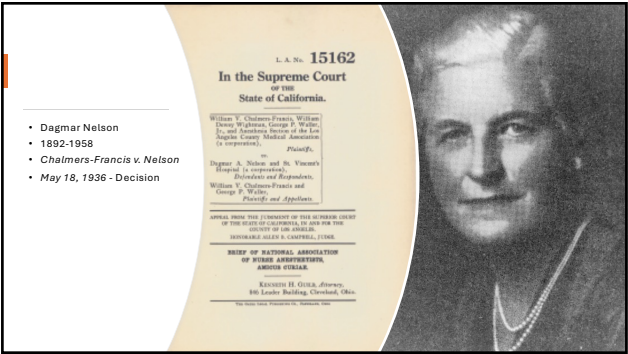
Conclusion: Hospitals that use only CRNAs, or a combination of CRNAs and anesthesiologists, do not have systematically poorer maternal outcomes compared with hospitals using anesthesiologist-only models.

Key Words: Anesthesia, maternal outcomes, quality of health care, clinical competence.

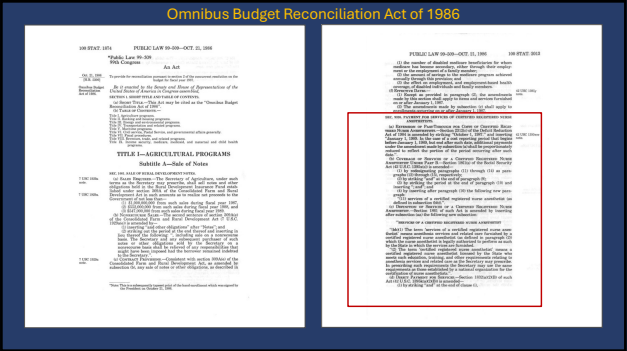
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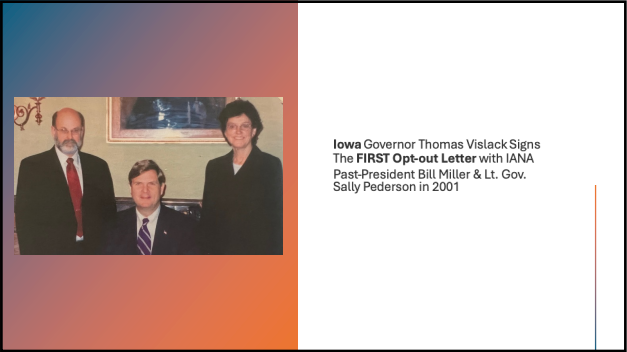
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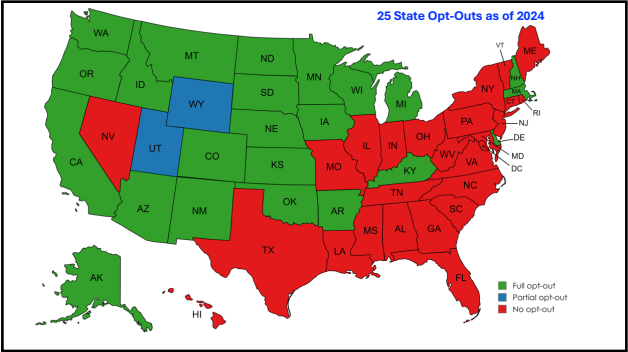
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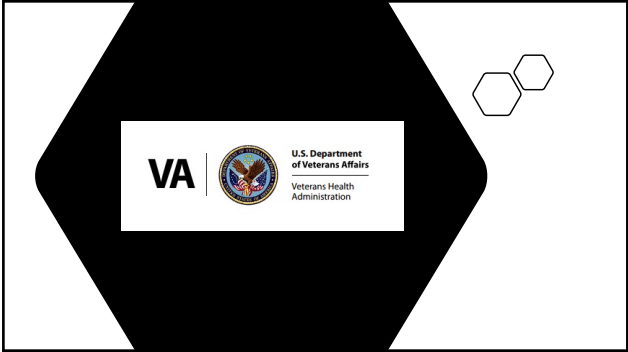
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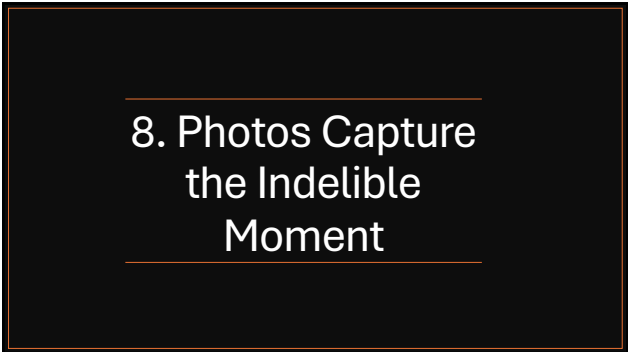
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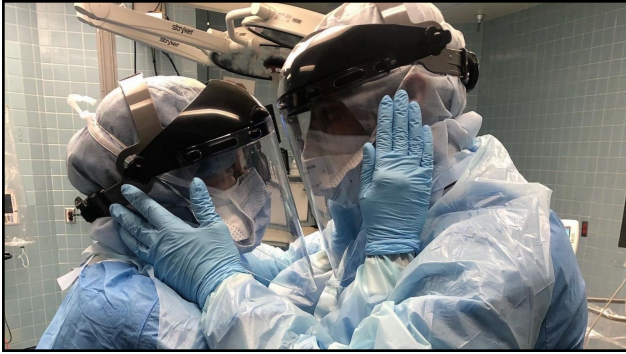
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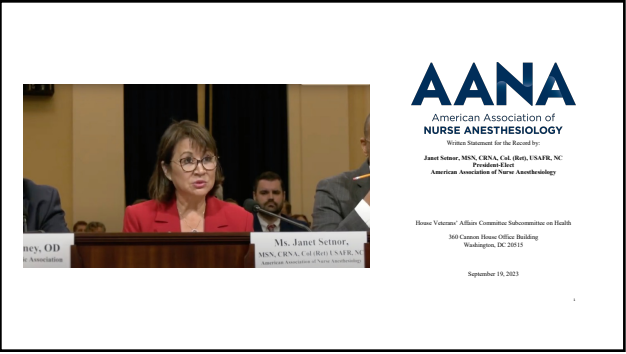
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