

RAISE YOUR CERTIFICATION RATES



Presented by:
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February 2017

RAISE YOUR CERTIFICATION RATES

AGENDA

- INTRODUCTION
- OBJECTIVE
- EXPERIENCE
- INSTRUCTOR TEAM
- STUDENT RANKING
- PROGRAM ENTRY REQUIREMENTS
- TEACHING METHODS AND TOOLS
- REVIEW BOOKS AND AVAILABLE PRACTICE EXAMS



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INTRODUCTION

**Marco Aguinaga, BAAS, AA, CST
SURGICAL TECHNOLOGY PROGRAM DIRECTOR**

- **BACHELOR OF ARTS AND SCIENCES 2013 - TEXAS A&M SAN ANTONIO**
- **ASSOCIATE OF ARTS 2011 - SAN ANTONIO COLLEGE**
- **U.S. AIR FORCE GRADUATE - SURGICAL TECHNOLOGY 1996**
- **NBSTSA CERTIFIED SINCE 1998**
- **AST MEMBERSHIP SINCE 2010**
- **20 YEARS EXPERIENCE AS A CST; 7/20 YEARS IN EDUCATION**

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OBJECTIVE

- **Our objective today is to outline different concepts proven to raise the certification scores in a Surgical Technology program**
 - Instructor Team Culture**
 - Student Ranking**
 - Program entry requirements**
 - Teaching methods and tools**
 - Review books and available practice exams**
 - Have fun and celebrate success**

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EXPERIENCE

➤ First Career College

- ABHES Reporting period 2010-11 pass rate $21/37 = 57\%$
- ABHES Reporting period 2011-12 pass rate $27/35 = 77\%$
 - ✓ Goal = 100% pass rate
 - ✓ If not successful, score goal (above 100)

➤ Second Career College

- ABHES Reporting period 2015-16 pass rate $7/10 = 70\%$
- ABHES Reporting period 2016-17 pass rate $21/23 = 91\%$
- Projected pass rate $27/29 = 93\%$ (June 2017)
 - ✓ Goal = 100% pass rate
 - ✓ If not successful, score goal (above 105)

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STUDENT RANKING

- **Ranking Criteria:**
 - Retention, Application, and Analysis
 - Attendance
 - Academic

- **Ranking A**
 - Retention, Application, and Analysis

- **Ranking B**
 - Retention, Application

- **Ranking C**
 - Retention

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PROGRAM REQUIREMENTS

- **Add Pre-requisites**
- **Increase placement exam score**
- **Interview the student**
- **Incorporate a certification review class**
- **Restructure course sequence (See next 2 slides)**

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RESTRUCTURE COURSE SEQUENCE

➤ MODULE 1

- ANATOMY & PHYSIOLOGY A
- LAW, ETHICS, AND PROFESSIONALISM
- MICROBIOLOGY
- CRITICAL THINKING

➤ MODULE 2

- INTRODUCTION TO SURGICAL TECHNOLOGY
- ENGLISH COMPOSITION
- TECHNOLOGICAL SCIENCES
- INTRODUCTION TO PSYCHOLOGY

➤ MODULE 3

- PHARMACOLOGY
- MEDICAL TERMINOLOGY A
- COLLEGE MATHEMATICS

➤ MODULE 4

- FUNDAMENTALS OF ASEPTIC TECHNIQUE

➤ MODULE 5

- SURGICAL PROCEDURES I
- ANATOMY & PHYSIOLOGY B
- MEDICAL TERMINOLOGY B

➤ MODULE 6

- SURGICAL PROCEDURES II
- ANATOMY & PHYSIOLOGY C
- MEDICAL TERMINOLOGY C

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RESTRUCTURE COURSE SEQUENCE

➤ **MODULE 7**

- CLINICAL I**
- PROFESSIONAL READINESS A**

➤ **MODULE 8**

- CLINICAL II**
- PROFESSIONAL READINESS B**

➤ **MODULE 9**

- CLINICAL III**
- PROFESSIONAL READINESS C**

➤ **MODULE 10**

- CLINICAL IV**
- PROFESSIONAL READINESS D**

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PROGRAM REQUIREMENTS

- **Textbook revision – Refer to NBSTSA CST Reference List**
 - Add textbooks to your campus library/resource room
 - Adopt two Surgical Technology exam review books

- **Use textbook resources (games, quizzes, flash cards)**
 - Contact your current textbook company

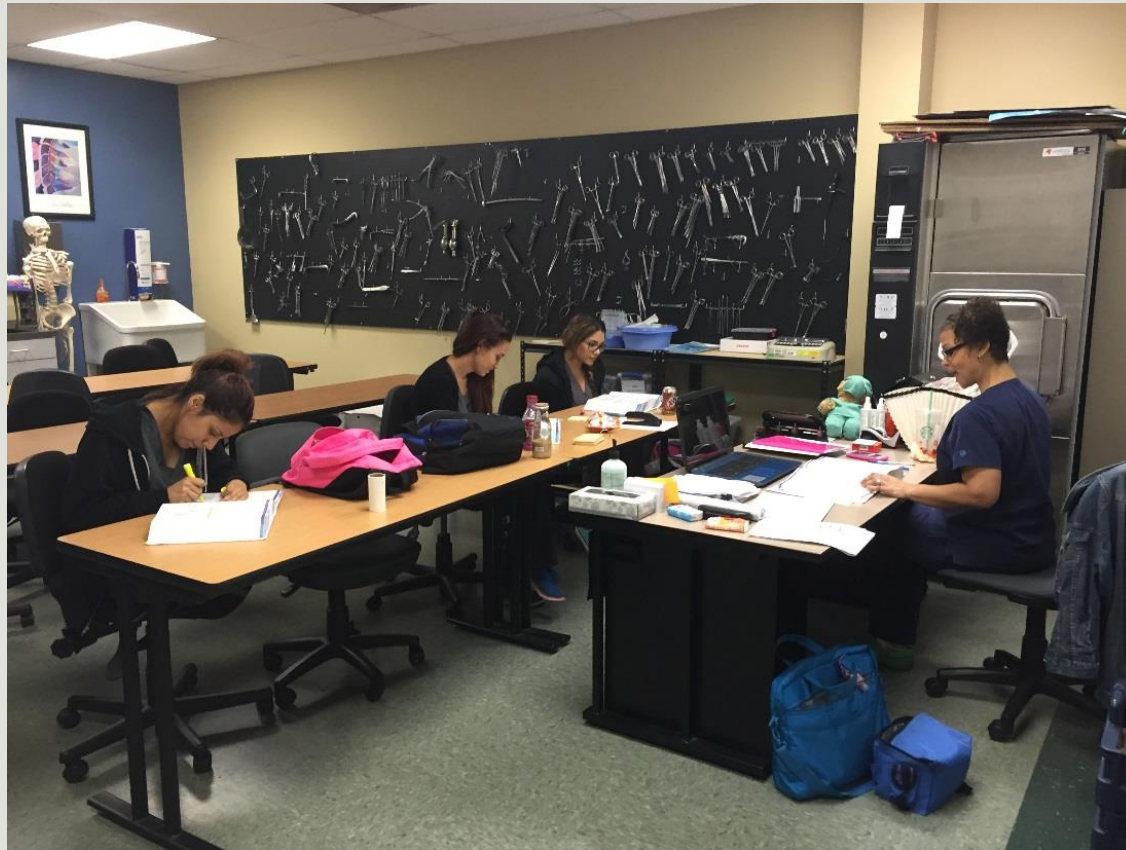
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TEACHING METHODS AND TOOLS

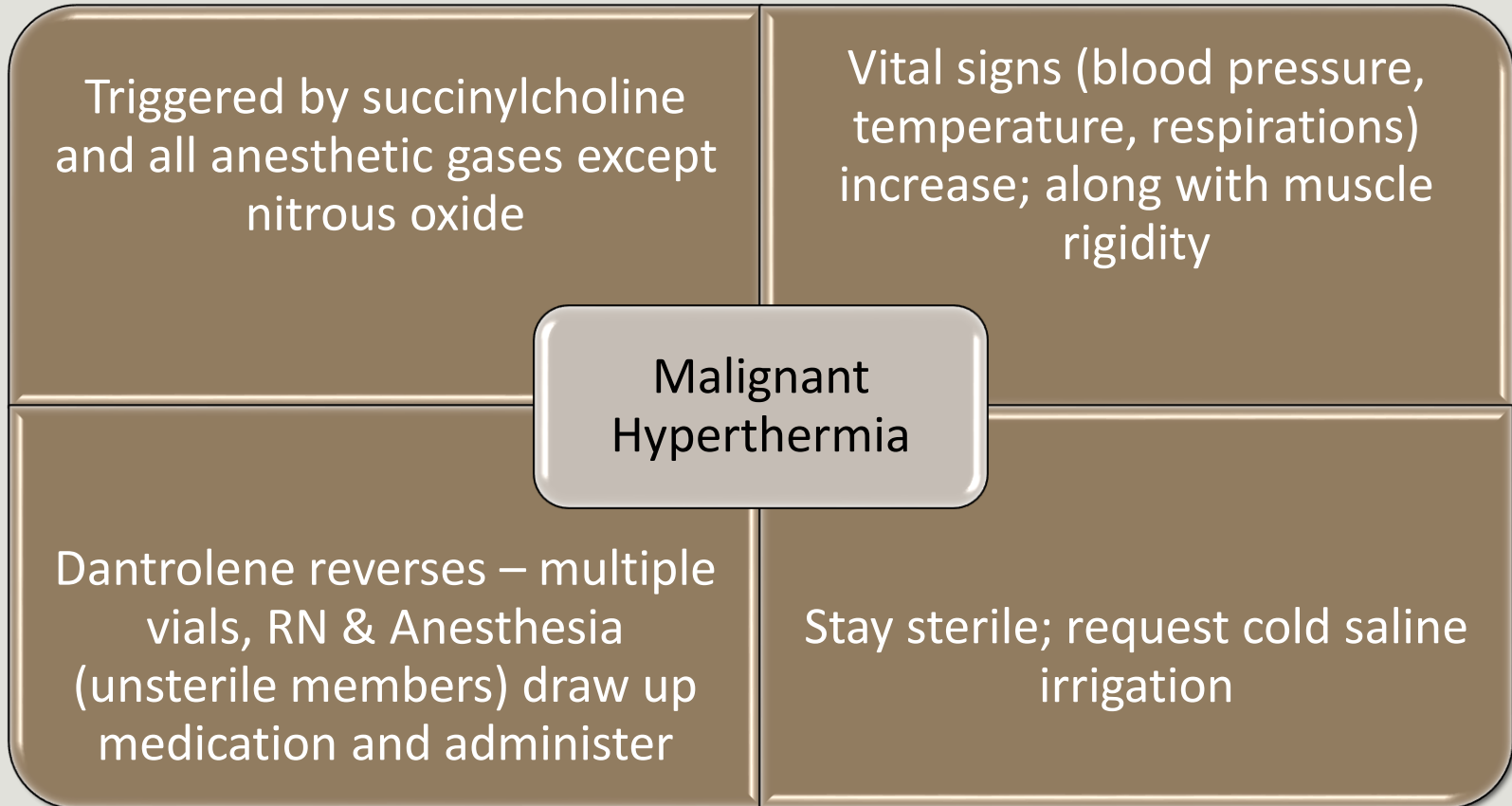
- **Simplify the topics in class and clinic**
- **Give examples that can be related to material**
- **Ask open ended questions**
- **Student feedback**
 - Current**
 - Graduates**
- **Create an instrument wall**
- **Use flow charts to highlight topic content**

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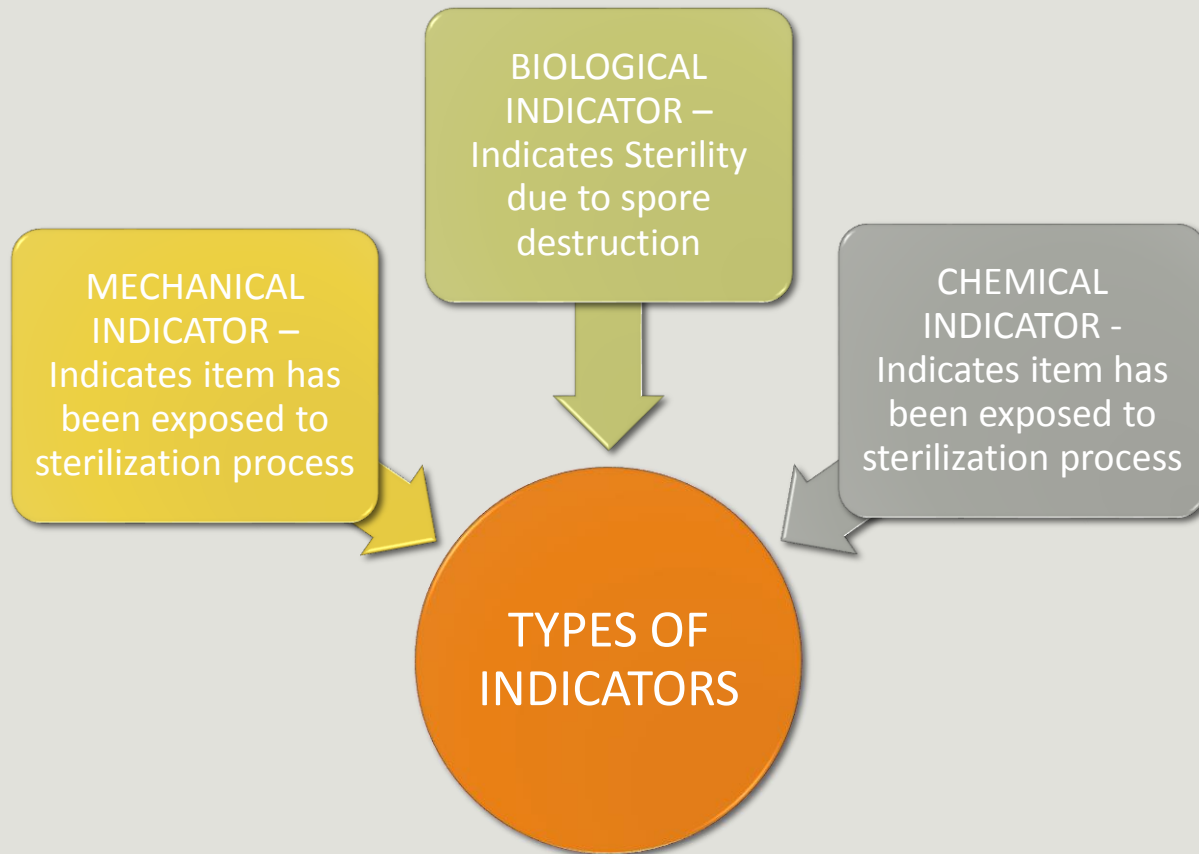
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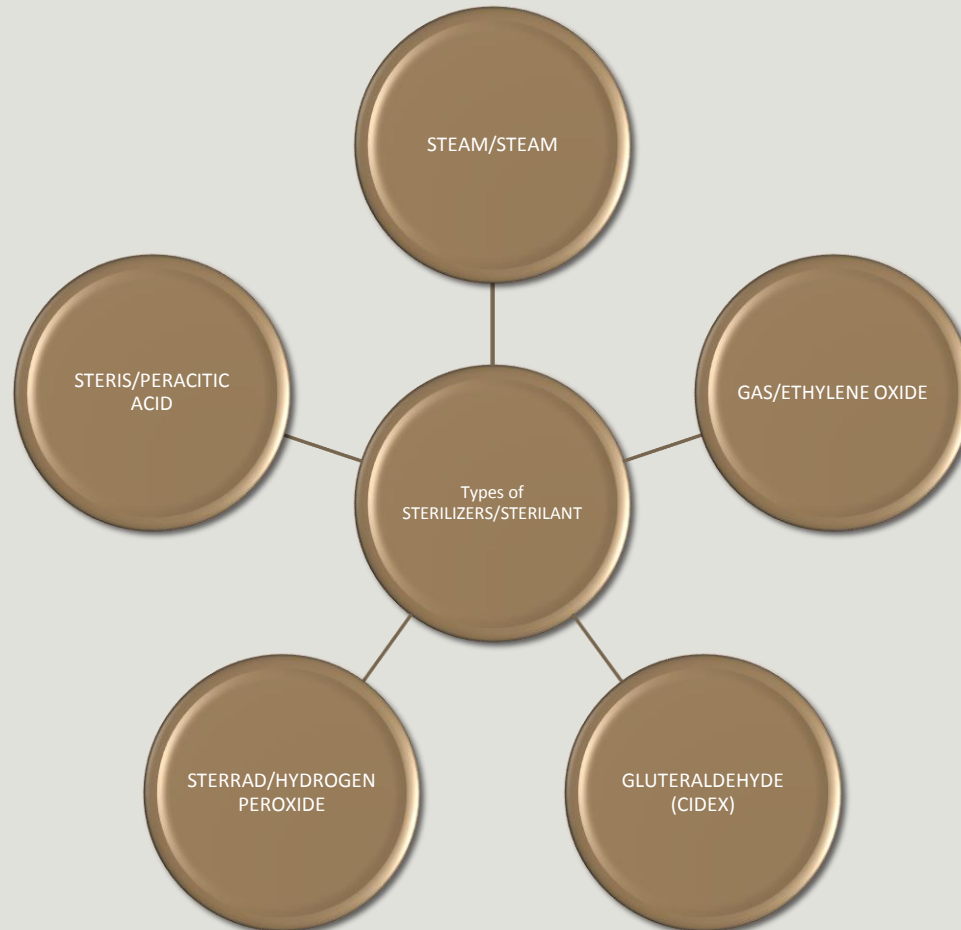
TEACHING METHODS AND TOOLS



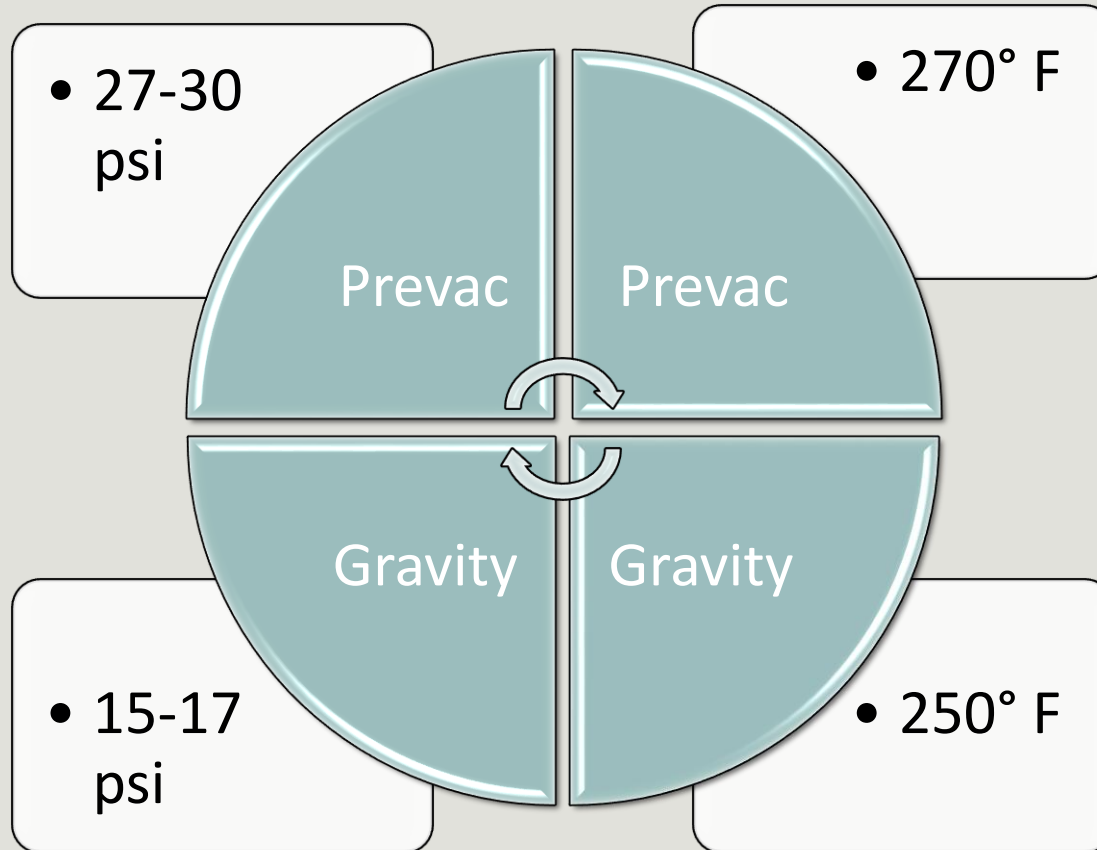
TEACHING METHODS AND TOOLS



TEACHING METHODS AND TOOLS



Steam Sterilization



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TEACHING METHODS AND TOOLS

- **Request a time and date for exam:**
 - Important to keep in mind school calendar of events that may hinder exam day
 - If morning exam start (10:00am), feed them breakfast before exam
 - If afternoon exam start (1:00pm), feed them lunch before or after exam

- **Network**
 - Connect with other CSTs and find out what did and didn't work for them when taking the examination. Find classmates and create a study group!

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REVIEW BOOKS AND PRACTICE EXAMS

➤ NBSTSA Website:

- Surgical Technologist Certifying Examination Content Outline
 - ✓ http://www.nbstsa.org/downloads/forms/CST_Examination_Outline.pdf

- On-Campus Examination Schedule for the Program Director NBSTSA
 - ✓ http://www.nbstsa.org/downloads/forms/On_Campus_Schedule.pdf

- NBSTSA EXAMINATION RECOMMENDED REFERENCES
 - ✓ These references were used to create the examination questions.
 - ✓ <http://www.nbstsa.org/downloads/forms/CST-Reference-List.pdf>

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REVIEW BOOKS AND PRACTICE EXAMS

➤ Review Books:

❑ ADOPT TWO SURGICAL TECHNOLOGY CERTIFICATION EXAM REVIEW BOOKS

- ✓ Some review books separate subjects/topics
- ✓ Some review books outline subjects/topics
- ✓ Some review books combine subjects/topics

➤ Practice Exams

- ✓ **NBSTSA.ORG**
- ✓ **Mobile Apps:** supported by Apple and Android devices
- ✓ **OTHER WEB LINKS**

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HAVE FUN



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CELEBRATE SUCCESS





Any Questions?