PATIENT SAFETY:
ANTICOAGULATION
STEWARDSHIP IDENTIFYING KEY DATA,
AVOIDING ERRORS, AND
ENHANCING SAFETY

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Arthur E. Schwarting Symposium 2025

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DISCLOSURE

Dr. Bessada has no financial relationships with ineligible companies

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LEARNING
OBJECTIVES

Differentiate high-priority, practice-changing information from less relevant or conflicting data after reviewing the anticoagulation guidelines, Iterature and clinical updates.

At the end of this presentation the learner should be able to:

Identify red flag situations in anticoagulation management that pose patient safety risks.

Determine the appropriate guidelines or evidence-based resources to guide clinical decision-making and referrals

OUR PATH TO MITIGATE INFORMATION OVERLOAD

Distilling the Essentials:
Guidelines & Key
Literature

Common Pharmacy
Pitfalls: Red Flags &
Patient Safety Strategies

Nultidisciplinary Situation
& Clinical Decision
Support Tools

Case-Rased
Application

WHY THIS MATTERS: ANTICOAGULATION & PATIENT SAFETY

Anticoagulant Use Increasing

Adverse Events Increasing

Elderly Impacted the Most

Top Drug Class for Patient Harm

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A NEED FOR ANTICOAGULATION STEWARDSHIP

Daily Pharmacy Practice Requires Constant Anticoagulation Stewardship:

Renal dose adjustments

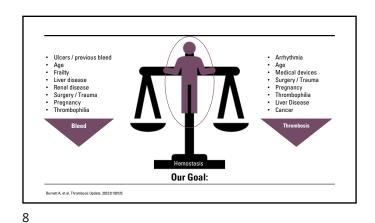
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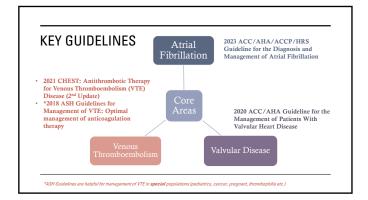
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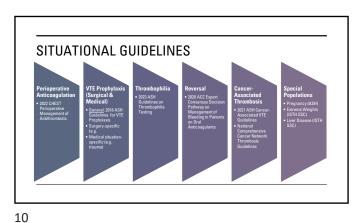


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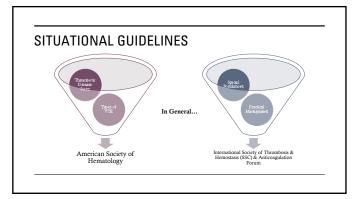
Guidelines & Key Literature

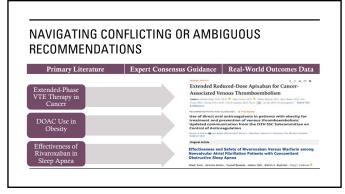




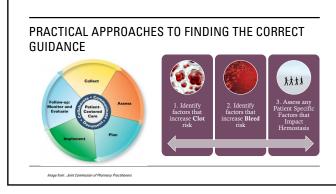


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LET'S PRACTICE: CASE 1

You're reviewing a new consult for RW, a 67-year-old woman with a history of atrial fibrillation and a mechanical mitral valve who was recently admitted for pneumonia. Her inpatient team wants to transition her to a DOAC (rivaroxaban) instead of warfarin, stating that "it's easier and more convenient in the long-term" They ask you: "Is that safe?"

Which of the following would be the most appropriate, high-quality resource to guide your recommendation in this scenario?

- a) Latest ACC/AHA guideline on antithrombotic therapy for valvular disease
- b) A 2017 real-world case series from your favorite cardiology podcast
- c) Your hospital's adult renal dosing policy

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Bleed Risk Clot Risk Patient-Specific Factors

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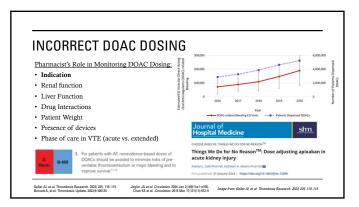
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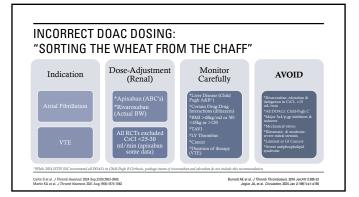


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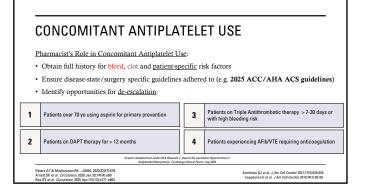
2. COMMON PHARMACY PITFALLS

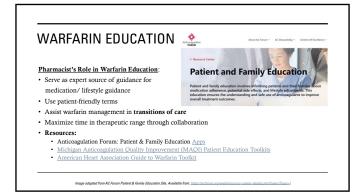
Identifying Red Flags & Implementing Patient Safety Strategies 17 18





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LET'S PRACTICE: CASE 2

SA is a 68-year-old male (wt: 82 kg) who comes in for a check-up to the primary care clinic you work at after an admission last week for a provoked DVT after a hip surgery he had 30 days prior. He was discharged on apixaban 10 mg BID for 7 days then told to switch to 5 mg BID, but "that it was all very fast, he could barely keep up." The medical resident seeing the patient message you the ambulatory care pharmacist worried because of the patient's history of chronic kidney disease (CrCl 48 ml/min). She wants to decrease the dose from 5 mg BID today to 2.5 mg BID "to be safe."

- 1. What would be the error committed with this dose-reduction?
 - There is minimal RCT evidence to support this switch, and it would go against package insert recommendations
 - b) While RCT evidence does not support this switch, the abundance of real-world literature has warranted experts to recommend this unanimously
 - c) There is no error, this is recommended for high bleed risk

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- Which available resources could help you with your response? Select all that apply:
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 - b) While RCT evidence does not support this switch, the abundance of real-world literature has warranted experts to recommend this unanimously
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LET'S PRACTICE: CASE 2

Bleed Risk Clot Risk Patient-Specific Factors

SA is an 82-year-old male (wt; 85 kg) who comes in for a check-up to the primary care clinic you work at after an admission last week for a provoked DVT after a hip surgery he had 30 days prior. He was discharged on apixaban 10 mg BID for 7 days then told to switch to 5 mg BID, but "that it was all very fast, he could hardy keep up." The medical resident seeing the patient message you the ambulatory care pharmacist worried because of the patient's history of chronic kidney disease (SCr 1.6, CrCl 43 ml/min). She wants to decrease the dose from 5 mg BID today to 2.5 mg BID "to be safe."

2. How do you respond?

- a) Switch to 2.5 mg BID after 10mg BID x 7 days for bleed risk
- Switch to 2.5 mg BID since the patient meets 2 of 3 criteria for apixaban renal adjustment in atrial fibrillation (age & serum creatinine)
 Maintain 5 mg BID. Discuss with resident that apixaban dose should be 5mg BID for acute phase but can
- consider decreasing to 2.5mg BID in extended phase of VTE therapy or even discontinuation

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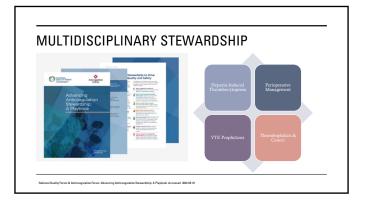
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3. NAVIGATING **HELPFUL RESOURCES**

Multidisciplinary Situations & **Clinical Decision** Support Tools

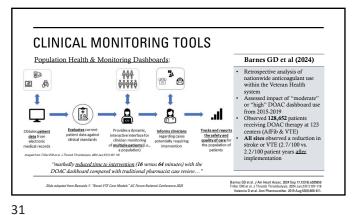


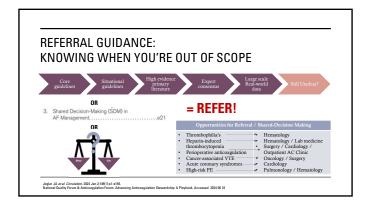
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CLINICAL DECISION SUPPORT TOOLS · Incorrect DOAC dosing VTE prophylaxis risk Pulmonary embolism (IMPROVE, IMPROVEDD & response pathways (according to evidence) • Antiplatelet de-escalation PADUA score) VTE severity scores (WELLS & Low-risk DVT response pathway opportunities • 4T score for heparin-induced • VTE phase of care reminders PESI score) Bleed risk scores (IMPROVE-BLEED & HAS-BLED) thrombocytopenia CHA2DS2VASc GARFIELD-AF

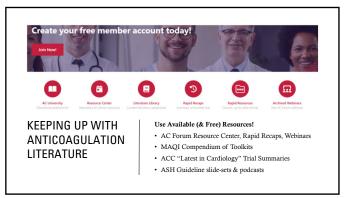
EXAMPLE LOW-RISK DVT **DECISION PATHWAY**

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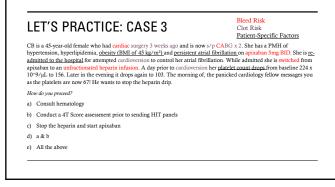


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LET'S PRACTICE: CASE 3 CB is a 45-year-old female who had cardiac surgery 3 weeks ago and is now s/p CABG x 2. She has a PMH of Cb is a 4-year-out temaie wno had cardiac surgery 3 weeks ago and is now s/p (CABG; x 2. She has a PMH of hypertension, hyperlipidemia, obesity (BMI of 48, g/m²) and persistent atrial fibrillation on a pixaban 5 mg BID. She is readmitted to the hospital for attempted cardioversion to control her atrial fibrillation. While admitted she is switched from apixaban to an unfractionated heparin infusion. A day prior to cardioversion her platelet count drops from baseline 224 x 109/yLt to 156. Later in the evening it drops again to 103. The morning of, the panicked cardiology fellow messages you as the platelets are now 67! He wants to stop the heparin drip. a) Consult hematology b) Conduct a 4T Score assessment prior to sending HIT panels c) Stop the heparin and start apixaban e) All the above

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SUMMARY

MANEUVERING THROUGH THE REALM OF ANTICOAGULATION STEWARDSHIP

Distilling the Essentials:
Guidelines & Key
Literature

- Identify core guidelines
- Utilize situational guidelines
- Collect & assess bleed, dot and patient-specific factors
- Don't forget primary literature, expert consensus statements, real-world outcomes
- You are the medication expert!
- You are the medication expert
- You are the medication expert
- Weather inclusion
- You are the medication expert
- Weather inclusion
- Weather inclusion
- Weather inclusion
- Only forget primary literature, expert consensus statements, real-world outcomes

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QUESTIONS?

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