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RESULTS INTRODUCTION Lack of knowledge of latest randomized control trials and of treatment Underutilization of direct oral anticoagulants (DOACs) in guidelines among non-VTE specialists. treatment of venous thromboembolism (VTE): • Despite DOACs utilization being addressed in guidelines, % Knowledge Gap: Findings from the Latest Randomized Control Trials on VTE Treatments (n=241) including those specific to patients with cancer¹. 100% Complexity of patient profiles as potential barrier to uptake of 75% optimal VTE treatment². 50% 25% AIM 0% **VTE** Specialist PC Com-Onc ED Physician Hem-Onc Identify barriers and practice gaps (with their respective Significant difference by specialty (p<.001) causalities) related to: • Secondary prevention of VTE in patients with a first % Knowledge Gap: Guidelines Related to Treatment Decisions for VTE (n=240) occurrence. 100% Treatment and management of risks associated with VTE in 75% cancer. 50% Findings presented here specific to underutilization of DOACs. 25% 0% PCP ED Physician VTE Specialist Com-Onc Hem-Onc **METHOD & SAMPLE** No significant difference by specialty (p=.205) Mixed-methods study with physicians from 5 specialties practicing in the US. • Health care providers self-reported sub-optimal **knowledge of new** treatments. Phase 2: Phase 1: Phase 3: % Knowledge Gap: Recently FDA-approved Treatments for VTE (n=241) Identify Context & Quantitative Validation Qualitative Exploration • 30-45 minute semi-100% • 20-minute online survey Priorities structured interviews • Quantitative analysis (SPSS) • Literature review 75% Qualitative analysis (NVivo) • Multidisciplinary discussions

- Areas of exploration
- Study design
- Ethics approval (IRB)

Phase 4: Triangulation & Interpretation

- Triangulation of findings
- Multidisciplinary interpretation
- Evidence-based identification of gaps, needs, barriers, and challenges

Profession	Interviews	Surveys
Primary Care Physicians	4	52
Hematologist-Oncologists	4	48
Community Oncologists	4	44
Emergency Department Physicians	5	48
VTE Specialists*	4	49
Total	21	241

*Cardiologists, Hematologists, Pulmonologists, and Vascular Medicine Specialists

VTE treatment planning: A mixed-methods analysis of clinical challenges, knowledge, and confidence gaps in selecting evidence-based treatment









CONCLUSIONS

• This study demonstrates the need for education supporting HCPs' decision-making using DOACs for treating VTE in cancer patients and in acute settings.

• While HCPs generally understand the benefits of DOACs, they lack confidence in guidelines and can overweigh the risks of complication in more constrained and potentially riskier scenarios.



ED Physician VTE Specialist Com-Onc PCP Hem-Onc Significant difference by specialty (p<.001)

REFERENCES

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• Qualitative data corroborates low knowledge and **confidence levels**, revealing HCPs' underlying doubts regarding DOACs safety, clarity of antithrombotic guidelines, and applicability to cancer.

• Could lead to **conservative approach to treatment** (avoiding DOACs).

"With cancer patients often times their comorbidities make decision-making more challenging. They may have metastatic disease that puts them at high risk for bleeding or, if they do bleed, at high risk for morbidity related to a bleed, particularly if they have intracranial metastases or spinal metastases. [...] Some of these patients are very advanced, and by the time they're diagnosed with VTE it's pretty much the end of the road. So, discussions about what their goals of care are and end-of-life decision-making we're not always equipped to do that very well."

– ED Physician

"NOACs, those new anticoagulants, are still not approved in the cancer treatment patients, so technically we still need to use Coumadin if you want to be going by the book. [...] so it's a challenge, because Coumadin is an old drug and it's hard to monitor. Because of their cancer, a patient may have problems with their monitoring parameters, which could be falsely elevated or decreased."

– Community Oncologist

DISCLOSURE

This study was financially supported by education research funds from Bristol-Myers Squibb.