

# Examining Patients' Knowledge with Regards to Peripheral Artery Disease Treatments and Outcomes: Insights from the PORTRAIT Registry

PORTRAIT Registry
Patient-centered Outcomes Related to
TReatment practices in peripheral
Arterial disease: Investigating Trajectories

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## BACKGROUND

- Lower extremity peripheral artery disease (PAD) requires multifaceted disease management to lower cardiovascular risk and to obtain symptom relief, most of which requires active engagement from patients
- Whether patients understand the components of risk reduction and symptom relief is unknown and can highlight opportunities to better engage patients in their care

## AIMS

- To document knowledge of risk reduction and treatment for symptom relief in patients with PAD
- To identify potential areas for improvement to better inform and engage patients in their PAD treatment

## **METHODS**

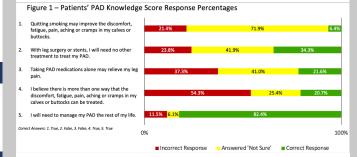
- The PORTRAIT study<sup>1</sup> enrolled 797 patients in the US with new or worsening claudication symptoms at 10 vascular clinics
- For patients at select enrolling sites (N=281), we augmented data collection to include patient knowledge of 5 PAD treatment characteristics
- Patient responses were scored for correct, incorrect, and "not sure" responses and composite scores were calculated.

## **RESULTS**

 Of the 281 patients, the mean age (± SD) was 69.2 ± 8.7 and 55.2% were male.

#### RESULTS

 Figure 1 presents patients' understanding of PAD treatment options, in which about half were aware that there were several treatment options available



- Only 1 in 5 knew that quitting smoking may improve symptoms, 24% thought that with surgery and stents, no additional treatment or therapy was needed to lower cardiovascular risk; 38% thought that medications alone could not improve their symptoms
- The majority of patients (81%) knew that they had to manage their PAD for the rest of their life
- Most patients (97.3%) answered at least one question incorrectly and more than half of patients (62.9%) answered at least three questions incorrectly
- The average composite score for correct answers was 2.2 (minimum 0, maximum 5)
- 255 (90.7%) patients were unsure about at least 1 of the basic knowledge concepts.

# LIMITATIONS

- Knowledge survey results were from select PAD specialty clinics and may not extend to other vascular clinics or generalize to the PAD population as a whole
- For US sites, only 35.3% (281/797) of patients in PORTRAIT were surveyed for PAD treatment knowledge

# CONCLUSIONS

- Most patients with PAD have substantial misunderstandings about PAD treatment and a large proportion were unsure about aspects of PAD
- These findings underscore the need for better patient education support to inform patients of the benefits and risks of various PAD treatment strategies.

## REFERENCES

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# DISCLOSURES

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