Project Overview

Problem Statement:
Statins can lower major amputation risk among chronic critical limb ischemia patients by more than 3-fold, a benefit which exceeds that of either antiplatelet therapy or smoking cessation. Statin therapy remains underutilized in peripheral arterial disease (PAD); a recent longitudinal study of over 155,000 U.S. Veterans found 28% with an index diagnosis of PAD were not on a statin. Vascular physicians have an opportunity to increase statin therapy among PAD patients through increased awareness and facilitation of statin therapy initiation.

Goal:
To increase statin use by 10% among patients with Rutherford score 4-6 chronic critical limb ischemia undergoing endovascular therapy of PAD from Q1 to Q4 of CY2021.

Scope:
Chronic critical limb ischemia patients in the Penn system referred to interventional radiology at Penn Presbyterian Medical Center for evaluation and peripheral vascular intervention.

Deliverable(s):
1) Increasing familiarity with the analytics tool to target the subset of patients who are seen in initial consultation and are not yet on a moderate- to high-intensity statin.
2) Coordination with patient clinical care teams to facilitate initiation of statin therapy.
3) Confirmation of initiation of statin therapy at first (<30 day) post-procedure follow-up visit.
4) Confirmation of compliance of statin therapy at second (<90 day) post-procedure follow-up visit.
5) Identify barriers to initiation and compliance with statin therapy and where appropriate, consider referral for PCSK9-inhibitor therapy.

Resources Required: Education, analytic tool familiarity, coordination, statin therapy initiation, compliance, and follow up; barrier identification

Key Metrics

<table>
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<tr>
<th>Outcome Metrics:</th>
<th>Milestone / Description:</th>
<th>Date (mm/yy):</th>
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<tr>
<td>Proportion of referred chronic CLI patients on statin therapy between</td>
<td>Statin QI Project Overview</td>
<td>Jan 2021</td>
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**QI PROJECT CHARTER**

Baseline evaluation and first post-procedure follow-up visit.

**Process Metrics:**
Proportion of chronic CLI patients compliant with statin therapy during subsequent follow-up visits.

| Identify baseline proportion of CLI patients on statins from CY2020 | Feb 2021 |
| Implement process for facilitation of statin initiation | March 2021 |
| Confirm initiation of statin therapy | April-Sept 2021 |
| Confirm compliance of statin therapy | Oct-Nov 2021 |
| Evaluate progress and confirm action plan | Dec 2021 |

**Team Members**

- **Exec Sponsor:** Timothy Clark, M.D.
- **Sponsor:**
- **Project Leader:** Jennifer Lai

- **Clinical Sponsor:** Timothy Clark, M.D.
- **Process Owner:**
- **Team Members:** Timothy Clark, M.D., Ansar Vance, M.D., Kathleen Kratz, PA-C, Lauren Haimes, PA-C

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