The Pacific University Interprofessional Diabetes Clinic: A Community-Based Health Care Initiative Involving a Member Institution of the Association of Schools and Colleges of Optometry (ASCO)

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Background / Methods

- The Pacific University College of Optometry and College of Health Professions have developed and implemented the Interprofessional Diabetes Clinic (IDC) to:
  - Address the growing needs of members of the Latino population in western Oregon who have diabetes
  - Prepare students for community-based collaborative healthcare delivery

- Includes optometry, dental health, physical and occupational therapy, mental health, physician assistant, and pharmacy services; Patient Care Coordinator
Results: past 2 years

First 50 consecutive patients:
- 42% exhibited diabetic retinopathy
- 10% presented with glaucoma
- 100% had periodontal disease
- 33% would benefit from PT, OT, or behavioral intervention

Patient satisfaction: 97%

Student rating of the experience: 4.5 (scale 1-5)

<table>
<thead>
<tr>
<th>Patient Data</th>
<th>Mean</th>
<th>Range</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age (years)</td>
<td>49</td>
<td>24 – 75</td>
<td>Median age 50 yrs</td>
</tr>
<tr>
<td>BMI (Kg/m²)</td>
<td>34</td>
<td>21.5 - 68</td>
<td>68% &gt; 29</td>
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<tr>
<td>HbA1c (%)</td>
<td>8.2</td>
<td>5.2 - 14</td>
<td>77% &gt; 6.9; 45% &gt; 8.0</td>
</tr>
<tr>
<td>BP (mmHg) Systolic</td>
<td>131</td>
<td>95 - 191</td>
<td>53% &gt; 129</td>
</tr>
<tr>
<td>BP (mmHg) Diastolic</td>
<td>80</td>
<td>52 - 107</td>
<td>41% &gt; 81; 17% &gt; 89</td>
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</tbody>
</table>
Discussion / Conclusion

- Advantages of the IDC:
  - More comprehensive patient history, evaluation and treatment plans
  - Enhanced opportunities to identify and address key barriers to successful self-management
  - Delivery of consistent, coordinated patient education

- Challenges and opportunities for the IDC:
  - Language/cultural barriers, integrated EHR, mutual understanding of each profession’s roles and practices

- The Pacific University Interprofessional Diabetes Clinic is a viable community-based healthcare delivery model