INTRODUCTION
While biologics are changing the management of severe NPs, many clinicians resort to surgical removal. We studied the impact of clinician-patient tethered education on health care providers (HCPs) understanding of the place of biologics in NP management, as well as on patients’ satisfaction with care.

METHODOLGY
Educational Program and Evaluation Details

**Partners**
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- Authors: Eve Wilson, PhD; John V. Bosso, MD

This activity is supported by an independent medical education grant from Regeneron Pharmaceuticals, Inc. and Sanofi.

**Measurement**
- Educational Program and Evaluation Details
- Data Collected
- Data Analysis
- Learner Insights: Patient education

**Clinician education**
- Engagement (ECP patients, learners, champions, micro-learning completed, changes in knowledge and competence, attitudes and perceived barriers, intended practice changes, and self-reported practice changes)

**Patient education**
- Engagement (platform views, social media views, knowledge and attitudes, perceived barriers, and intended behavior changes)

**Clinician education**
- Engagement (ECP participants, learners, champions, micro-learning completed, changes in knowledge and competence, attitudes and perceived barriers, intended practice changes, and self-reported practice changes)

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**Clinician education**
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**Data Collected**
- Patient education: Engagement (platform views, social media views, knowledge and attitudes, perceived barriers, and intended behavior changes)
- Clinician education: Engagement (ECP participants, learners, champions, micro-learning completed, changes in knowledge and competence, attitudes and perceived barriers, intended practice changes, and self-reported practice changes)

**Communication with patients:**
- Our findings support a connection between patients’ dissatisfaction and clinicians’ low knowledge and confidence associated with the treatment of CRSwNP.

**RESULTS**

### Changes in Knowledge/Competence (Clinician Education)

<table>
<thead>
<tr>
<th>Thesis</th>
<th>Pre</th>
<th>Post</th>
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<tbody>
<tr>
<td>CRSwNP</td>
<td>P = 0.05</td>
<td>0.01</td>
</tr>
<tr>
<td>Other</td>
<td>P = 0.05</td>
<td>0.01</td>
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</tbody>
</table>

### Patient education

**Patient education**
- Platform views: 749
- Social views: 17,822
- Patient gender: Female (62%), Male (38%)

**Clinician education**
- Consultants: 2,556
- Nurses: 38
- Micro-learners: 804
- Resident micro-learners: 81%

**Patient Intended Behavioral Changes**
- Increasing treatment adherence: 22%
- Increasing treatment adherence: 60%
- Increased treatment adherence: 50%
- Increased treatment adherence: 50%

**Clinician Practice Insights**
- Most common reasons for non-attendance: 40%
- Treatment outcomes: 50%
- Treatment outcomes: 50%
- Treatment outcomes: 50%

**Patient and HCP Education**
- IMPACTS OF TETHERED EDUCATION FOR CLINICIANS AND PATIENTS OF SEVERE NASAL POLYPS (NPs)

**Clinician Education**
- Platform views: 749
- Social views: 17,822
- Clinician gender: Female (62%), Male (38%)

**Changes in Knowledge/Competence (Clinician Education)**
- Pre vs Post: P = 0.05
- Pre vs Post: P = 0.01

### Learner Insights: Patient education

- Have moderate to large NPs: 42%
- Have undergone endoscopic surgery: 42%
- Side-effect: 64%
- Difficulty: 53%
- Using the Tethered care approach: 53%
- Side-effect: 64%
- Difficulty: 53%
- Using the Tethered care approach: 53%

**Clinician education**
- Platform views: 749
- Social views: 17,822
- Clinician gender: Female (62%), Male (38%)

**Changes in Knowledge/Competence (Clinician Education)**
- Pre vs Post: P = 0.05
- Pre vs Post: P = 0.01

**CONCLUSION**
Our findings support a connection between patients’ dissatisfaction and clinicians’ low knowledge and confidence regarding nasal polyp management. Further, they indicate an educational need for specialists, especially among otolaryngologists, regarding the place of biologics in evolving treatment paradigms for severe nasal polyps.

**Vignette interview**
- Missy spoke about her diagnosis, her other comorbidities, her experience with surgeries, and his involvement in other treatment decisions.

**Patient Session Parallel**
- Jack Vielbig discussed the impact of biologics on severe NPs, sharing case scenarios and patient outcomes.

**Faculty**
- John V. Bosso, MD, FACS, Assistant Professor and Director of Otology & Neurotology - Loyola University Chicago Stritch School of Medicine (Residency Program in Otolaryngology - Head and Neck Surgery)

**Affiliations**
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**Authors**
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