### Using LACE Online with Sycle

Jennifer Henderson Sabes Jessica DeFauw



# Using LACE with Sycle.net

- LACE Online Basics
- New LOL features
- · Benefits of LOL
- How to use LOL in Sycle
- Understanding LACE data



# Using LACE with Sycle.net

- LACE Online can benefit your clinical practice
- Sycle simplifies the process. In this presentation, new features of LACE will be reviewed, helpful hints for interpreting the patient training data within Sycle will be provided, and methods for streamlining the LACE dispensing process will be discussed.

# LACE Online Cloud-based training



- .\* Same basic training as LACE HE
- .\* Clinician monitoring
- .\* 11-day program
- \* Train anywhere with standard browsers
- ${\boldsymbol{\cdot}}^{\star}$  Requires device with Internet access

#### Review of LACE

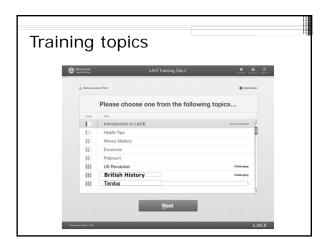
- Home-based Aural Rehabilitation program that incorporates:
  - Standardized assessments
  - Adaptive training in difficult listening environments
  - Helpful hints with informational counseling
    - Listening and communication
    - Hearing aid use
  - Provides feedback

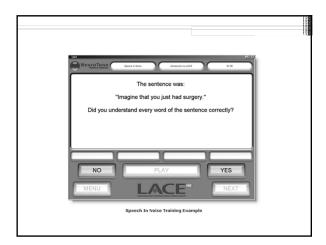




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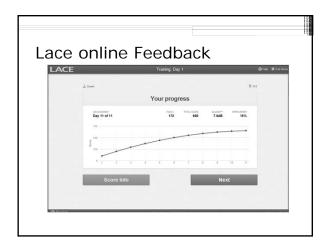
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### **Review of LACE**

- Home-based Aural Rehabilitation program that incorporates:
  - Standardized assessments
  - Adaptive training in difficult listening environments
- Helpful hints with informational counseling
  - · Listening and communication skills
  - · Hearing aid use
- Feedback about performance



# Using LACE with Sycle.net

- LACE Online Basics
- New LOL features
- Exclusive to LOL and Sycle.net
- Benefits of LOL
- How to use LOL in Sycle
- Understanding LACE data

# Helpful hints videos

- More introduction videos about tasks and LACE training
- Communication strategies and managing the acoustic environment
- Assistive listening devices and ADA related information

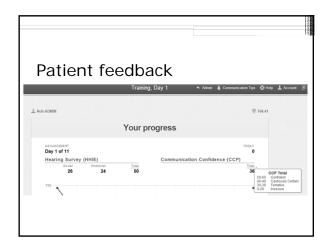


# Subjective Outcome Measures

- HHIE
  - Social, Emotional and Total scores are tracked
- Communication Confidence Profile
  - □ 12-item scale
  - Provides information about confidence and self-efficacy in a variety of listening situations and topics







# Evidence supporting Auditory Training

#### **Auditory Training**

Tremblay and Moore, 2012 Sullivan, Thibodeaux and Song, et al, 2012 Tye Murray, et al, 2012 Millward, et al, 2011 Humes, et al, 2009

Special Issue: International Journal of Otolaryngology

HEARING Aids and the BRAIN

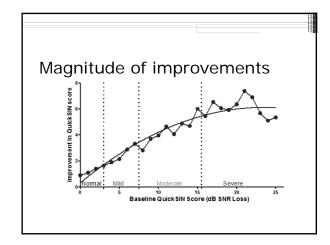
# Published Evidence supporting LACE

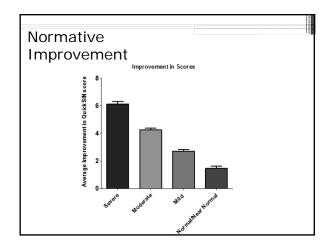
- LACE training
  - Song et al, 2012
  - Sweetow and Henderson Sabes, 2006
  - Martin, 2009

# Who Should Be Encouraged to do LACE?

- Performance on any given test cannot reliably predict overall improvement, though poorer scores on HHIE and speech tasks were correlated with greater improvement.
- Don't rule out those with more significant impairments.

Sabes JH and Sweetow RW. International Journal of Audiology. 2007, 46(7):374-383.





• Even a 1 dB improvement in SNR has been estimated to be commensurate with a 6-8% improvement in percent correct scores for sentence recognition (Crandell, 1991; Wilson et al. 2007)

Hearing	aid	use
(Return	for	credit)

13% RFC 

⇒ 3.5% RFC with conventional LACE in same time period

Martin (2007)

15% RFC → 3% RFC with integration of 9 in-office sessions of LACE CE

Taylor and Shrive (2008)

# Hearing aid use

- 23 Clinic study
  - ■541 fittings in 6 months
    - ■294 non-LACE patients
    - ■247 LACE patients
  - 58 returns from these fittings
    - 44 non-LACE returns for credit = 15.0%
    - 14 LACE returns for credit = 5.7%

### Hearing aid use

- 10 clinic study
- 523 Patients did not receive LACE
- Average return rate (including exchanges)28%
- 170 Patients received LACE
  - Average return rate (including exchanges)5.3%

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### Hearing aid use

- 10 clinic study
- 523 Patients did not receive LACE
- Average return rate (including exchanges)28%
- 170 Patients received LACE
  - Average return rate (including exchanges)5.3%
    - 60 did <1 LACE sessions. Return rate 6.8%
    - 43 did 1-10 LACE sessions. Return rate 4.7%
    - 67 did 11-20 LACE sessions. Return rate 4.5%

# Sycle.net implementation

- About 400 users who completed the 11 days of LACE
  - ∘ 6 returned HAs.
  - Return rate 1.5%
- Average visits within 90 days:
  - 4 visits with LACE
  - 7 visits without LACE

### Hearing aid use

- More individuals using amplification
- Less return visits
- Patients understand active role in rehabilitation

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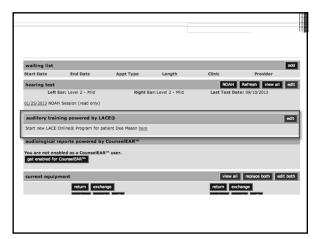
### LACE Online-Sycle Integration

- The LACE interface in your Sycle patient record will now display more detailed patient training results
- Ability to view training scores for each task type (Speech-In-Noise, Rapid Speech, etc) as each session is completed.
- Streamlined dispensing protocol, including integrated patient instructions.

### Dispensing LACE

Once you subscribe to LACE Online dispensing LACE to patients is an easy three-step process:

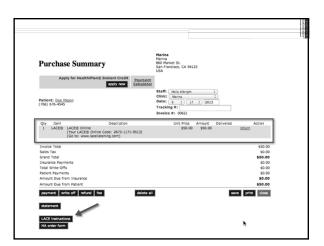
- Select the Sycle patient record
   Scroll to the LACE tab
   Generate a LACE Online Access Code.
- 2. On the Patient Purchase Order Summary: CLICK the link to LACE Instructions
- This link will display a document that includes:
   LACE Online Access Code
   Detailed login instructions
   Recommendations to achieve best results.
   Print the document and present to the patient.



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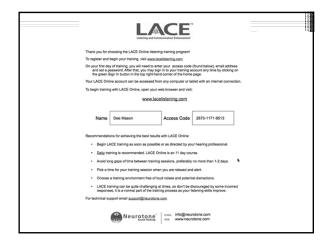
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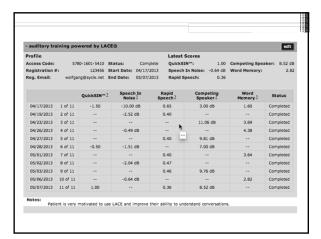
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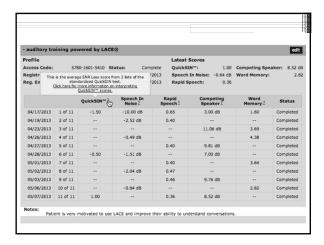
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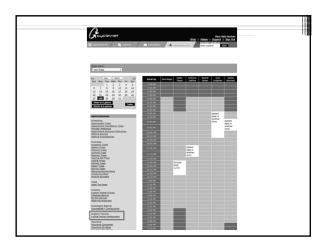
- Progress is automatically updated and displayed in the Sycle patient record, including:
  - Number of training sessions completed
  - Daily training task scores
  - QuickSIN test scores
  - Subjective Outcome measure scores





#### Sycle / LACE Pricing:

- Sycle/LACE Exclusive low flat monthly rate:
  - \$119 per mo. / Full-time Clinics
  - \$69 Per mo. / Part-time Clinics
- Unlimited LACE access codes per month per location
- Professional wholesale is \$200/10 access codes
- How to get started:
  - Visit <u>www.lacelistening.com/demo</u> to experience a brief demonstration of LACE Online
  - Enroll in LACE Online via the Administration section in Sycle
  - Contact Sycle at (888) 881-7925 to learn more





### **DEMOs** and information

- www.neurotonepro.com
- www.lacelistening.com
- information@neurotone.com