

The Canadian Association of
Speech-Language Pathologists
and Audiologists



COMMUNIQUÉ

Photo by Avelaine Scyrup

FALL 2011

FEATURES

Stories of Struggle and Triumph at Grandview; Online Resources; Everyday Stories; International Stuttering Day; Professions Without Borders; Speech Camp; 50th Anniversary in Manitoba

FOCUS

Treating Tinnitus

All about

Autism

Plus, CASLPA strategic plan, 2012 conference and workshops, call for board nominations, readership survey, 2012 focus topics, new members, CJSIPA editor, resource listing, videos and much more!

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Volume 25, Number 4
FALL 2011

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Communiqué is the official newsletter of the Canadian Association of Speech-Language Pathologists and Audiologists. Published quarterly (winter, spring, summer and fall), *Communiqué* provides a forum for the exchange of information and communication between CASLPA members. This is not a peer-reviewed publication. Opinions expressed are those of the individual authors and do not necessarily represent the views of CASLPA or the editorial staff of *Communiqué*.

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Letters to the editor, articles and other submissions (including photos, video and other multimedia formats) are welcome. Submissions should be typed and double-spaced in Microsoft Word format and sent via e-mail. Length of submissions should be 150 to 600 words. The editor reserves the right to edit submissions for length and clarity.

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ISSN 0842-1196

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Using the iPad in Adult Neuro Rehab

The iPad has been readily adopted by AAC users and S-LPs working with children, but it is increasingly being recognized as an invaluable tool for S-LPs who work with adult populations in hospitals and clinics. Never before have computerized exercises been so easy to bring to the bedside; the large touch-screen interface is so intuitive, even seniors who shy away from computers don't hesitate to interact with the device. The value of the iPad as a tool in neurological rehabilitation comes from the apps (software applications) easily downloaded onto the device from Apple's iTunes Store. With thousands of apps available, it can be a challenge to find content with graphics and sounds appropriate for adults, so here are over 60 apps to turn an iPad into a medical S-LP's toolbox.



A fully-loaded iPad is a powerful and portable therapy toolbox.

iPad apps for speech-language pathologists working in adult neuro rehab fall into three major categories: tools for the S-LP, therapy materials, and communication/cognitive supports. Every iPad includes tools to support the working professional: the *Calendar* app for recording appointments and setting alerts, the *Notepad* app for typing notes or doing a quick writing assessment, and *Safari* for Internet browsing. With [pdf-notes](#), clinicians can view PDF files and highlight or write on them to use therapy worksheets with clients on the touch-screen or make notes on journal articles. [Bamboo Paper](#) turns the screen into a white-board for making notes or drawings with a finger or stylus. [Calculator Pro](#), [Percentally](#), [S/Z ratio](#), and [Age Calculator](#) allow general and speech-specific calculations. Every S-LP can make use of a voice-recording app ([AudioMemos](#) is a good one) to record and store speech samples. Apps for educating both the client and the clinician include [Upper Respiratory Virtual Lab](#), [3D Brain](#), [Brain MRI Atlas](#), and [Pocket Lab Values](#). Goals can be created and tracked with the apps [SLP Goal Bank](#) and [Goal Meter](#).

The iPad is more than just a support tool; it can replace cumbersome therapy materials such as workbooks, cards, and board games. To target motor speech goals, [Tongue Twisters](#) or Pocket SLP's [Articulation](#) and [Minimal Pairs](#) are a few of the articulation-focused apps that are appropriate for use with adults. There are at least three 3-D speech simulators to teach



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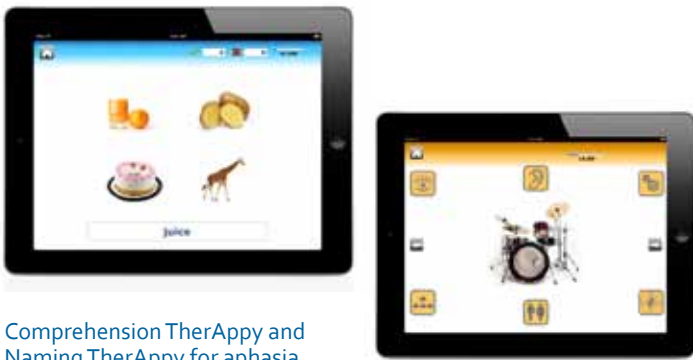
articulator placement: [iBaldi](#), [Speech Trainer 3D](#), and [Speech Tutor](#). Clients with apraxia benefit from using Lingraphica's line of free [SmallTalk](#) apps featuring videos of mouths pronouncing various phonemes, words, and phrases. For clients with dysphagia, [iSwallow](#) provides video instructions for swallowing rehabilitation exercises as well as reminders to perform and track repetitions. Lingraphica also offers video demonstrations of swallowing manoeuvres and exercises in [SmallTalk Dysphagia](#) and [Oral Motor Exercises](#).



Demonstration of how to use the [Naming TherAppy](#) app from [Tactus Therapy Solutions](#).

Each domain of language can be addressed using apps. Tactus Therapy Solutions has created [Comprehension TherAppy](#), [Naming TherAppy](#), and [Writing TherAppy](#) specifically for aphasia. Verbal expression can be practiced using [Conversation Cards](#) or with the built-in app Maps to view and discuss the client's home neighbourhood. Reading using [iBooks](#) allows for resizing the text and looking up unknown words, and when paired with [AudioBooks](#), provides struggling readers with narration. A fun read-along book for adults is Dr. Seuss' [You're Only Old Once](#), an animated story that targets both reading and speech production. [Intro to Letters](#) enables clients with limb apraxia or who are learning to write with a non-dominant hand to practice making letterforms.

The iPad is ideal for treating cognitive-communication disorders with hundreds of electronic games readily available to strengthen attention, problem solving, reasoning, and speed of processing skills. A few particularly useful games are [iMazing](#),



Comprehension TherAppy and Naming TherAppy for aphasia therapy.

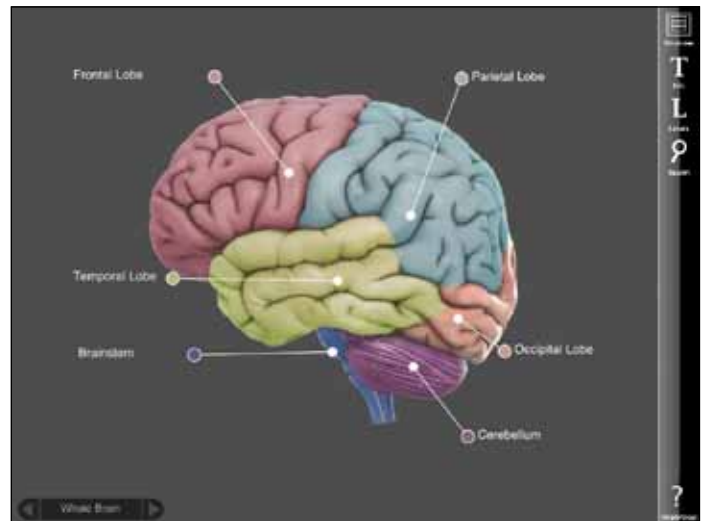
[Awesome Memory](#), [Skill Game](#), [Brain Challenge](#), [Doodle Find](#), and [Angry Birds](#). [Simply Find It](#), [Differences](#), and [Word Search Star](#) encourage visual scanning. Math skills can be practiced with [Math Drills Lite](#) and [MakeChange](#), a coin-counting app featuring Canadian currency.



Lingraphica's SmallTalk Aphasid provides videos of phrases and sounds.

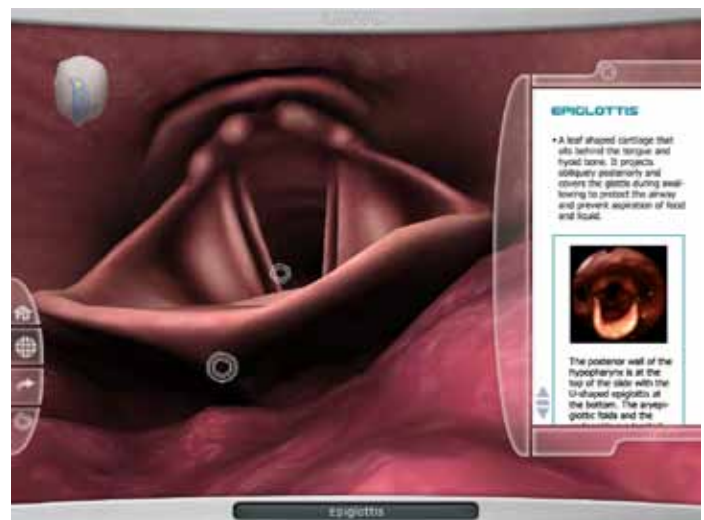
The final category of apps can be considered supports for communication and cognition. There are hundreds of apps in the iTunes store for AAC, only a few of which are appropriate for adults with communication impairments. Text-to-speech apps include [Verbally](#), [Predictable](#), [Talk Assist](#), and [Speak it!](#). Acute inpatients who are unable to speak may use [Speak Aid HD](#) or [Phrase Board](#). Full AAC systems include [Proloquo2Go](#) and [TouchChat](#), while [Scene Speak](#) and [Pictello](#) create customized visual scene displays and talking photo albums. Clients with dysfluency or Parkinson's disease can use [DAF Assistant](#) for delayed auditory feedback on the iPhone or iPad with headphones. A person unable to write may dictate notes using [Dragon Dictation](#) (requires Wi-Fi connection). The built-in Calendar not only supports the S-LP, but also serves as a cognitive support for brain-injured clients.

Several apps are free, often supported with ads; when used with clinical populations, it may be worth upgrading to eliminate distracting and/or inappropriate ads from the screen. Paid apps



3-D Brain demonstrates neuroanatomy with information about function.

range from 99 cents to hundreds of dollars, and it can be difficult to assess quality based on a description and a few screenshots. Having reviews or videos is helpful in determining which apps are worth your money and there are a number of online resources to help stay informed of new apps. Trusted blogs written by S-LPs to review apps include [TherapyApp411.com](#), [iSpeakApp.com](#), [GeekSLP.com](#), [TactusTherapy.com/other.html](#), and for AAC apps [www.spectronicsinoz.com/article/iphoneipad-apps-for-aac](#)



Upper Respiratory Virtual Lab recreates the FEES experience with information about anatomical landmarks.

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