

ASX Release

NOVITA TO PRESENT AT GLOBAL DIGITAL THERAPEUTICS CONFERENCE

Novita Healthcare Limited (ASX: NHL) (“**Novita**” or the “**Company**”) is today presenting at the leading global conference for digital therapeutics, DTx West in San Mateo, California.

Presenting at DTx West forms part of our global marketing and awareness campaign as the Company begins the international expansion of the Tali technology.

Novita scientific advisory board member and co-developer of the Tali technology Dr Kim Cornish (Head, School of Psychological Sciences, Monash University, Melbourne, Australia) will present on behalf of the Company.

End

ABOUT NOVITA

Novita Healthcare Limited (ASX: NHL) is a leading digital therapeutic and early childhood technology business targeting ATTENTION in children through its breakthrough technology Tali. Tali Train uses proprietary algorithms inside a game-based learning application to improve core attention skills in early childhood (www.talihealth.com).

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The Developing Brain: From Vulnerable to Resilient

DTx West 2019

Professor Kim Cornish

Head, School of Psychological Sciences, Monash University, Melbourne, Australia.

Director, Monash Institute of Cognitive and Clinical Neurosciences (MICCN)



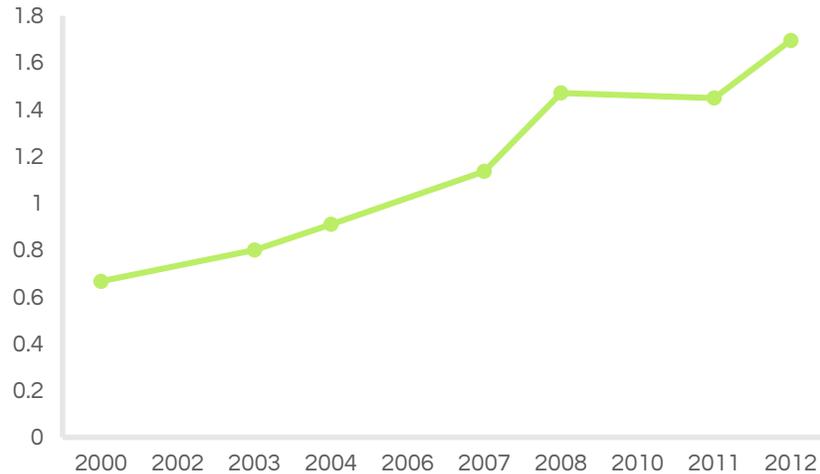
What does it mean in the real world: Jess

- Jess is a 6-year old girl.
- She has trouble concentrating. She is distracted, inattentive and anxious.
- Reading and math are difficult.
- She has few friends.
- Her teachers tell her to pay attention.



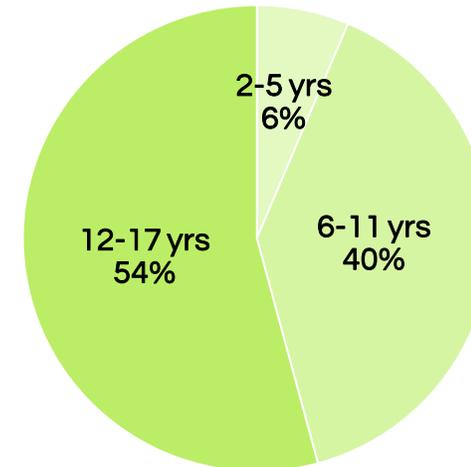
Attention deficits affect 136M children globally

Prevalence of Autism Spectrum Disorder
in 8-year-old children (US)
Source: ADDM Network



Thousands enter school each year without the requisite attention skills to facilitate learning.

6.1M children under 17 years have been diagnosed
with ADHD in the US
Source: Centers for Disease Control

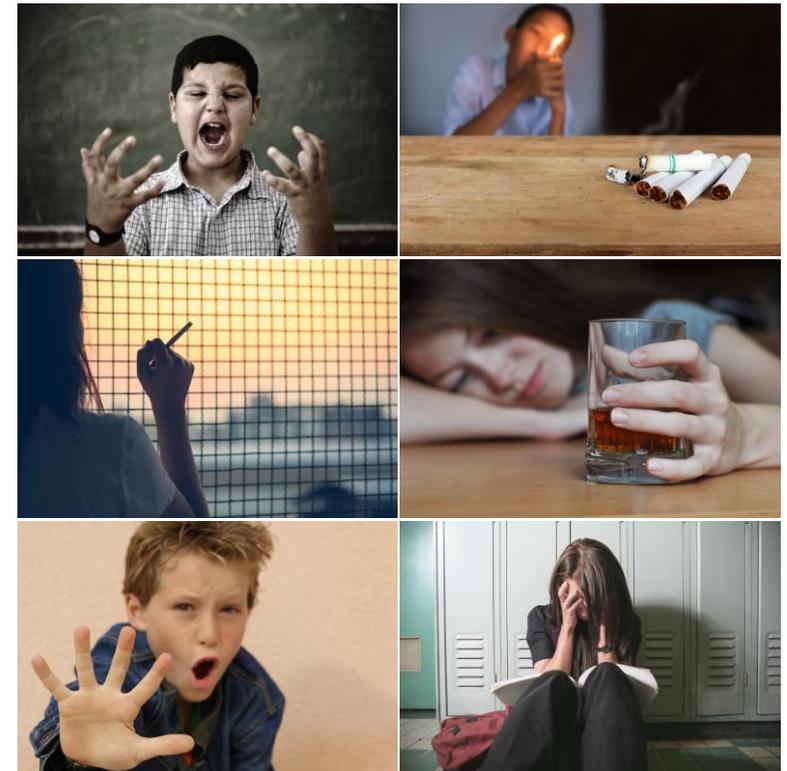


Economic impact:
Disorders of attention cost Americans
~\$42.5 billion per annum.

75% of adult mental disorders have their onset before 24 years of age; mostly during adolescence

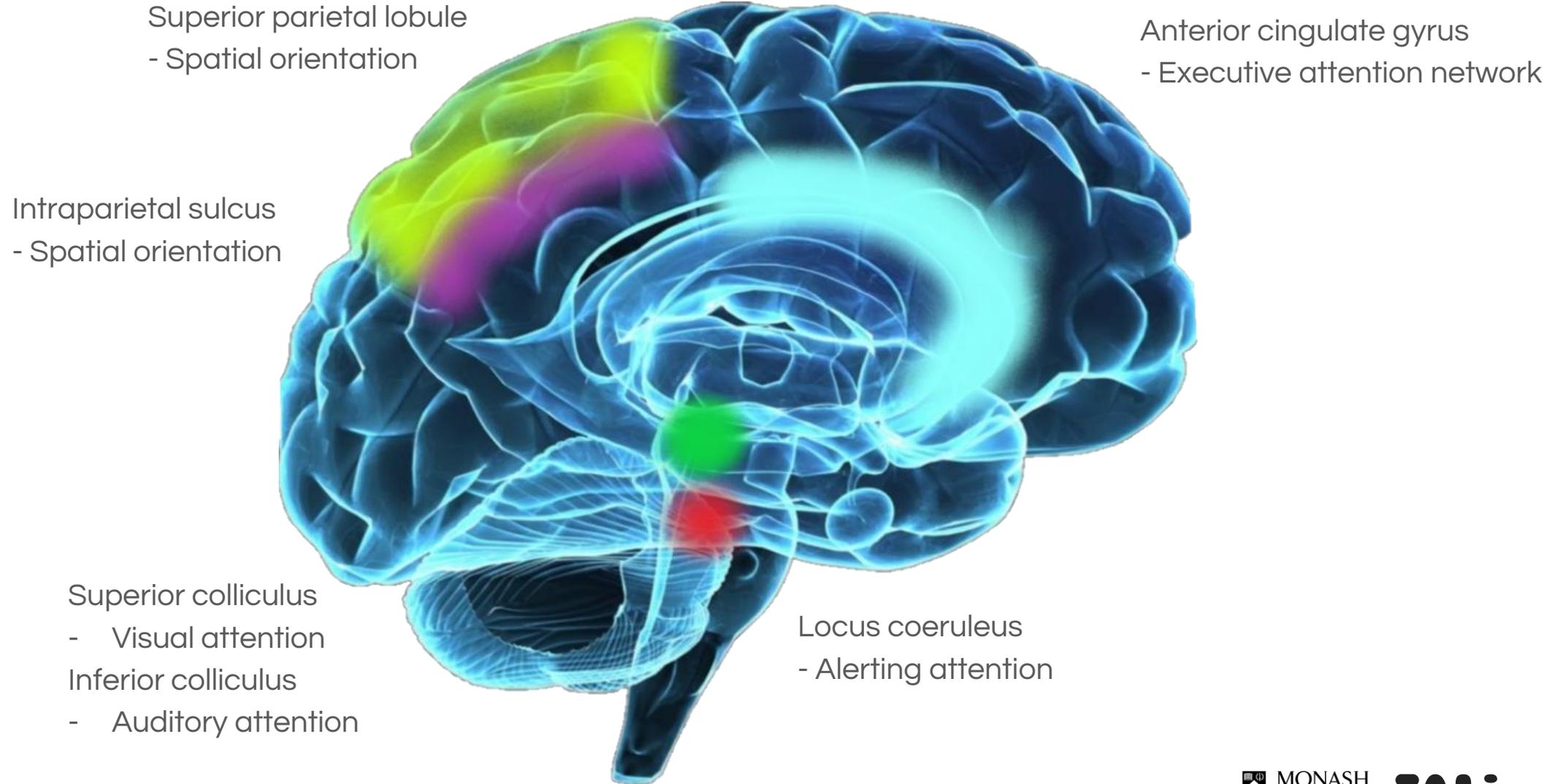
By 14 years, Jess may be suffering:

- Anxiety
- Depression
- Delinquency
- School phobia
- Impulsive, aggressive outbursts
- Drinking and drug experimentation



Behaviour vs Cognition: Attention is multi-faceted

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Scientific Publications and Awards



Australian Government
Australian Research Council

2012 Australian Research Council **Grant**

Professor Kim Cornish awarded ARC Linkage Grant

How does childhood inattention impact on the emerging cognitive landscape?



2015 Publication: **Review**

Review of cognitive training

Need more evidence of their efficacy

Cognitive training as a resolution for early executive function difficulties in children with intellectual disabilities
Kirk, H., Gray, K., Riby, D., and Cornish, K. (2015)



2016 Publication: **Experimental**

Children with developmental disorders have different cognitive attention profiles despite similar behavioural attention profiles

Visual attention and academic performance in children with developmental disabilities and behavioural attention difficulties
Kirk, H., Gray, K., Riby, D., Taffe, J. and Cornish, K. (2016)



2016 Publication: **RCT**

Tali Train significantly reduced errors in selective attention

Attention training can positively impact aspects of attention in children with developmental disorders

Computerised attention training for children with intellectual and developmental disabilities: A randomised controlled trial
Kirk, H., Gray, K., Ellis, K., Taffe, J. and Cornish, K. (2016)



2017 Publication: **RCT**

Tali Train significantly improved numeracy skills in children with developmental disorders

Improvements in untrained outcomes (e.g. numeracy) may benefit children with ASD, DS, NSID

Impact of attention training on academic achievement, executive functioning, and behaviour: A randomised controlled trial
Kirk, H., Gray, K., Ellis, K., Taffe, J. and Cornish, K. (2017)



Australian Government
National Health and Medical Research Council



2017 Development **Grant**

Professor Cornish & Dr Kirk for the development of Tali Train

Typically developing children and children with ABI's

Interactive attention training technology to enhance cognitive skills in early life
Kirk, H., Anderson, V., Harcourt, J., Catroppa, C., McIntosh, B., Reynolds, J., and Cornish, K. (2017)



Australian Government
Department of Industry, Innovation and Science

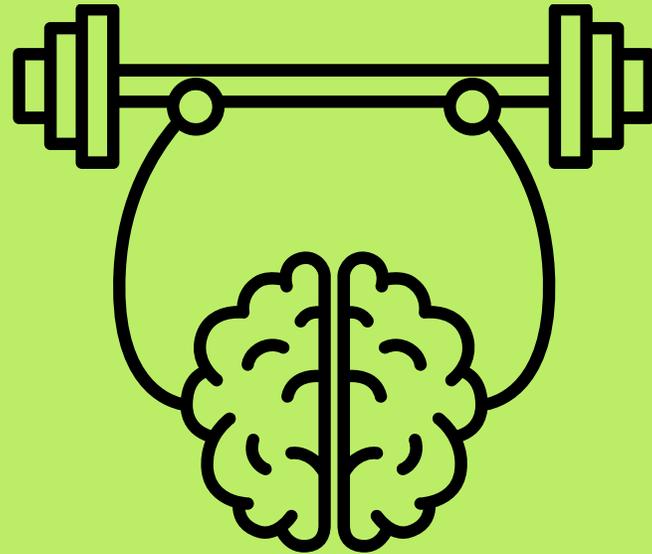
Business
Cooperative Research Centres Program

2017 Cooperative Research Centre Project **Grant**

Professor Cornish & Dr Kirk awarded CRC-P Grant from the Department of Industry, Innovation and Science

A scalable detection tool for childhood inattention: Tali Detect™

How do the game based training programs commercialized by Novita Healthcare (NHL:ASX) work?



Introducing Tali Train: A patented digital, adaptive treatment with proven results

- Tali Train (TT) is designed to improve attention in the early childhood years.
- TT is delivered using a game-based, touchscreen interface
- Targets core aspects of attention specifically
- Evidence based – MICCN has published two clinical trial. This is not just another brain training app.
- Implemented in schools in Australia, and trialed in clinics in Asia Pacific



Parents



Providers



Schools



Tali Train exercises core attention skills

Selection



Inhibition



Focus



Attentional Control



The Evidence

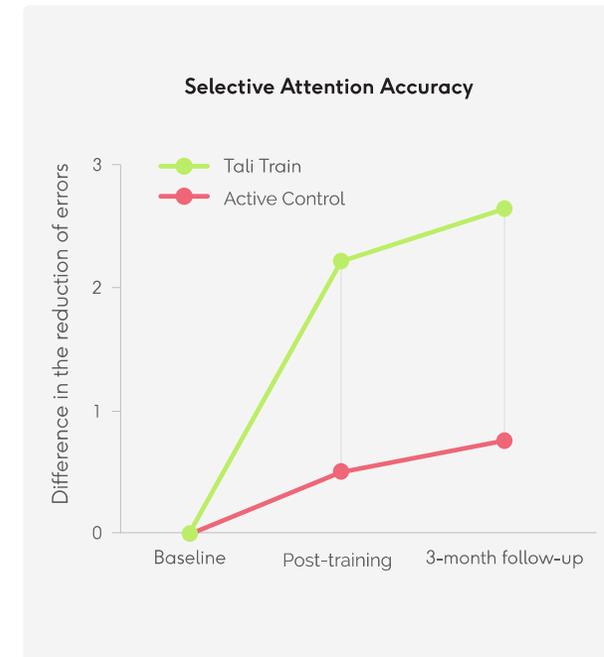
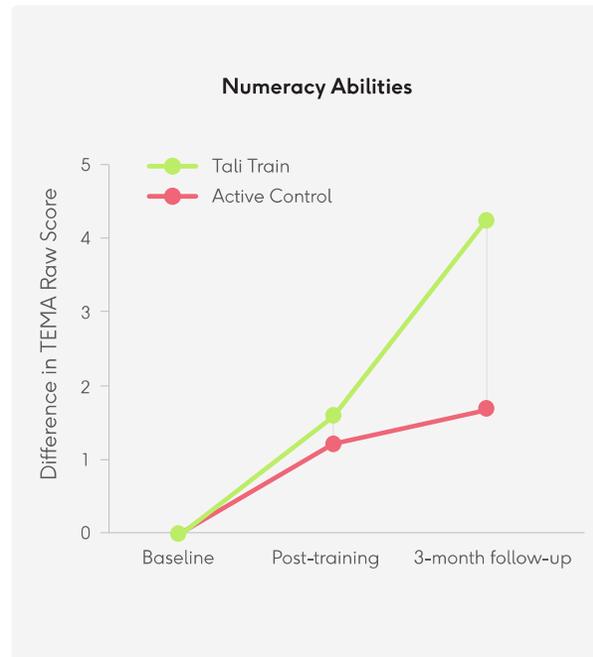


Children with clinical attention difficulties:

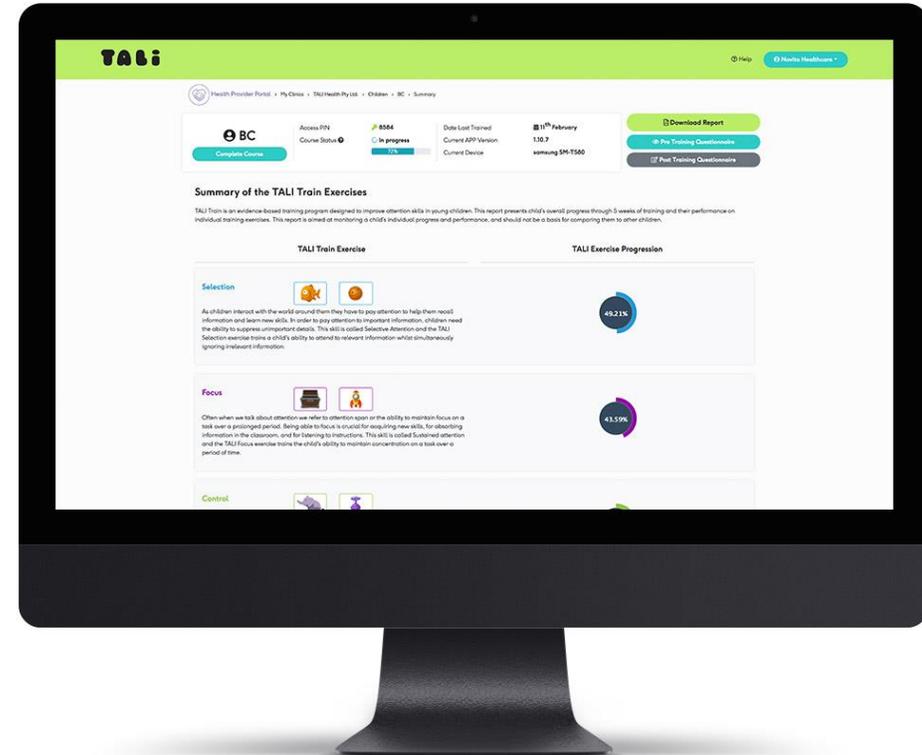
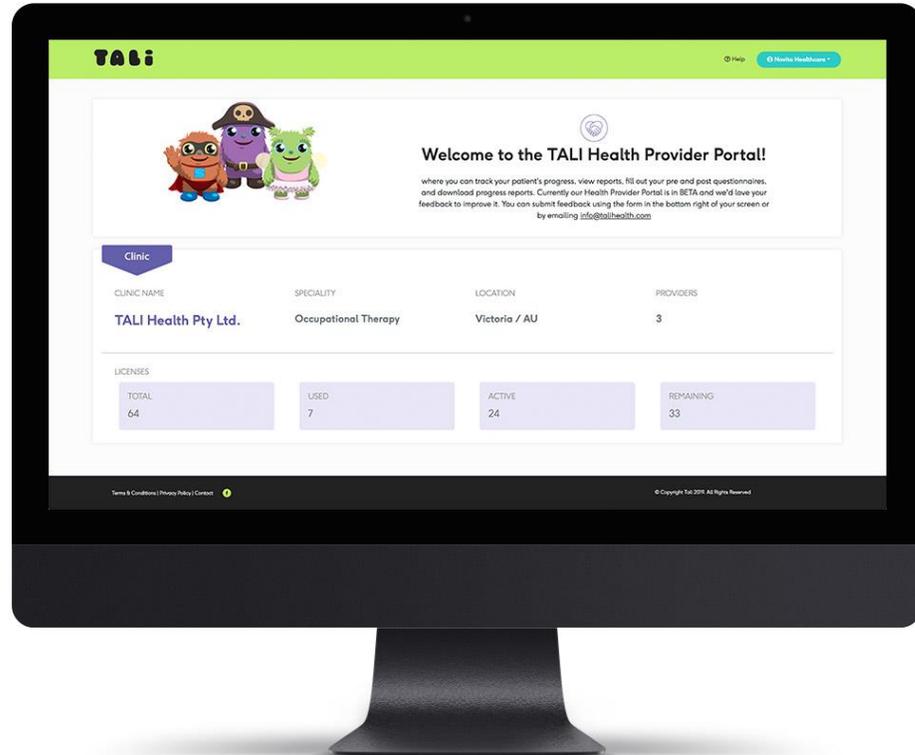
- Tali Train promoted greater gains in selective attention immediately after training and three months after training had ceased compared to an active control.
- Tali Train lead to greater improvements in numeracy skills three months after training

Typically developing children:

- Tali Train resulted in significant reductions in ADHD symptoms in the classroom immediately after training compared to both an active control and teaching as usual



Tali Train is another “tool in the toolkit” being commercialized globally from 2019



Compliance and progression through the program can be monitored by clinicians, educators and parents in the Tali Portal

Early Assessment of Attention Problems



- Most children will experience attention difficulties at some stage during development
- Detecting early problems will allow parents, teachers and doctors to prepare appropriate strategies to improve attention.
- Detection of childhood attention needs to be transformed
- Expensive and time consuming with limited availability to pre clinical populations.

Introducing Tali Detect Assessing Childhood Attention

- Tali Detect is scalable game-based tool to identify attention deficits during childhood.
- MICCN and Tali are developing Tali Detect as a robust evidence based detection tool for widespread use.
- MICCN is currently conducting clinical trials with Tali Detect in Australia



Real world endorsement

"Tali Train fulfils a huge gap within the treatment of children with attention deficits. For clinicians this is what we have been asking for."

Martha Mack, Child Psychologist.

"Tali Train was really easy to use, bright and engaging. We have already seen improvements in her ability to focus and remain alert. Completing the program has also given our daughter a sense of achievement and has resulted in her feeling happier in herself."

Father of a 4 year old with autism.

"My student that has been undertaking Tali Train is not the same boy who started the program, it's been really fabulous to see the results we've been able to get."

Michelle McClellan, K-12 Teacher

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Happier kids start here.

TALi

Powered by Novita Healthcare (ASX:NHL)