Royal's Neuromodulation Research Clinic: Progress report

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Major depressive disorder: a public health crisis

25% increase worldwide

1 in 5 adults in 2021

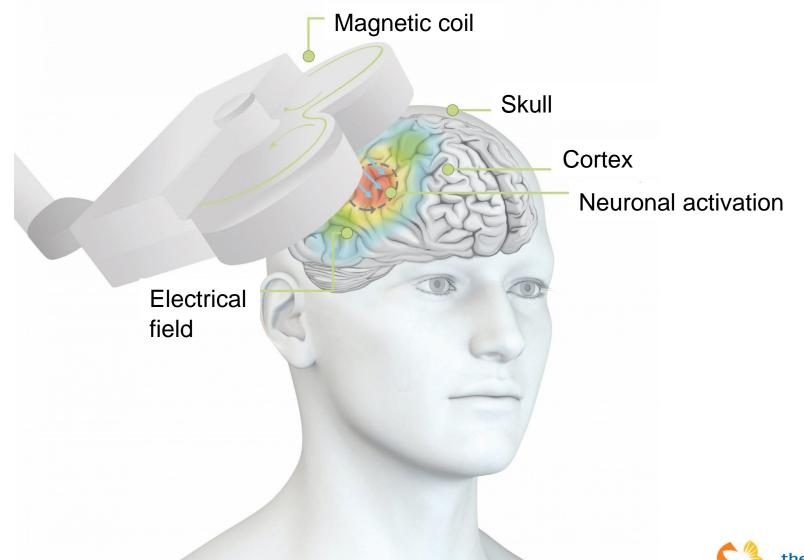


Low quality of life, disability, suicide

40% are treatmentresistant



Access to innovative care: neuromodulation





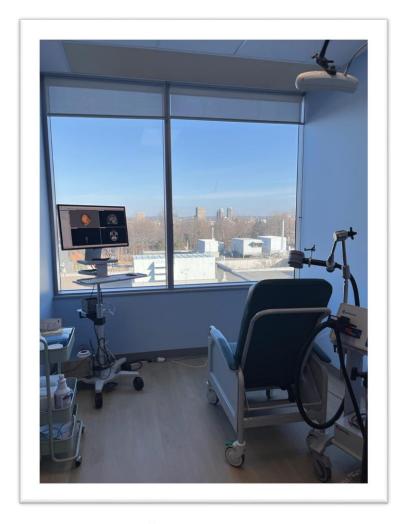
New treatment room and clinical trial

Towards personalized care: brain imaging for guiding treatment

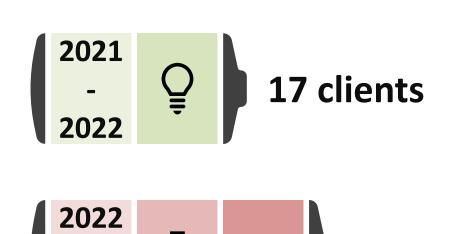






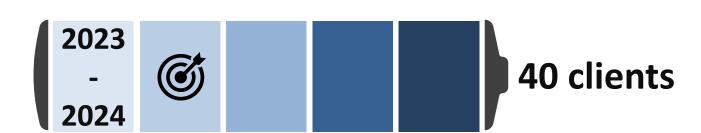


Progress in capacity and treatment efficacy



Response rate = 69%

Remission rate = 54%



26 clients



Neuromodulation Research Clinic's team

- Dr. Sara Tremblay, Director, Scientific Lead
- Dr. Ruxandra Antochi, Psychiatrist, Education and Program Development Lead
- Dr. Ram Brender, Psychiatrist, Clinical Lead
- Dr. Lisa McMurray, Psychiatrist
- Stacey Shim, Manager
- Maria Da Silva, Administrative Support
- Jessica Drodge, Research Coordinator
- Julia Leclair, Research Assistant
- Jennifer Cuda, Research Assistant
- Maya El Outa, Research Assistant
- Youssef Nasr, Research Assistant





What is next?



Create a continuum of care with other key treatments such as ECT and esketamine

Develop a Client and Family rTMS Advisory Committee

Develop a Fellowship in Interventional Psychiatry and residency rotation

Combine rTMS with other treatment modalities

Develop new trials to offer rTMS to other mental health disorders



Client testimony



"Some of the questions I was asked after treatment were about feeling sad, and I had to really think about it and I said 'no, I'm not sad like I was.' There are sad things in life but then you go on to think of other things. And that's the difference. My anxiety and worry about how I am going to carry on has gone away."

"Since the treatment, I have been able to get out of the house and do social things. I look back and say, 'wow, I felt that way? That bad?' I can't believe it. rTMS saved my life."

