



Transforming tomorrows, today.



Yoav – "Mr. Motion"

Body, Prostate applications





INVESTMENT **HIGHLIGHTS**



ACOUSTIC THERAPY: HOW IT WORKS



DISRUPTIVE PLATFORM FOR NEUROLOGICAL DISORDERS



CONFIDENTIAL

Neuro Ablation

Transformative Acoustic Therapy

ACOUSTIC THERAPY: REDEFINING PRECISION LESIONING

EFFICACY



Outpatient solution for patients that fail medication therapy



Improves safety and predictability relative to radiation therapy



Eliminates invasiveness required for transcranial ablation



Comparable outcomes without open surgery + implantable devices

Ferreira JJ, Mestre TA, Lyons KE, Benito-León J, Tan EK, Abbruzzese G, Hallett M, Haubenberger D, Elble R,Deuschl G. MDS evidence-based review of treatments for essential tremor. Movement Disorders, July 2019.

Movement Disorder Treatments



INVASIVENESS

ACOUSTIC THERAPY: ESSENTIAL TREMOR



Enhance the efficacy of drugs or diagnostics

- Transient
- Repeatable
- Conformal
- Non-invasive



TMZ Study – treated tissue volume



Auto focusing improvements for epilepsy treatments

CT BASED CORRECTION



Uses the CT information to correct each element



- The CT based correction relies on
- Accurate registration
- Consistent CT properties
- Accurate simulations
- CT based correction is effective enough for some central targets (e.g., thalamus)
- Lateral targets (e.g., hippocampus) have higher incident angles, resulting in challenging treatments



TECHNOLOGICAL CHALLENGES – INCIDENCE ANGLE







HOW DOES THE AF WORK



INSIGHTEC

EXPERIENCE IN ET CASE – RETREATMENT EXAMPLE



THANK YOU!