



Nexstim

**World leader in navigated, non-invasive
brain stimulation therapy and diagnosis**

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Nexstim's NBS System is cleared by the FDA for assessment of the motor and speech cortices for pre-procedural planning. The NBT System is not cleared for commercial distribution in the United States.

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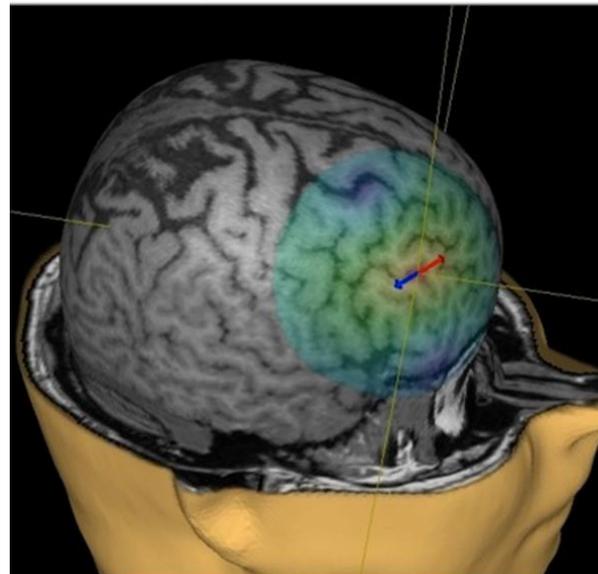
Nexstim Plc at a Glance

- We have a pioneering electric (e) field navigated neuro stimulation technology (eTMS)
- Listed in Nasdaq First North Finland & Sweden
- Established sales in US and Europe

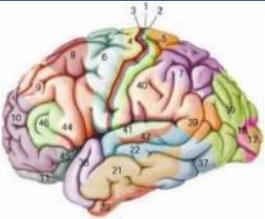
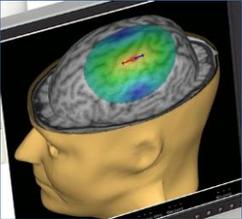


E-Field Navigation Differentiates Nexstim TMS

- Unique e-field induced modeling
 - Highly accurate targeting
 - Precise dosing
 - Repeatable over multiple treatment sessions
- Fully integrated system ensures quality and accuracy
 - TMS
 - Proprietary e-field modeling that enables accurate stimulation targeting
 - 3D MRI visualisation and stereotactic navigation
 - EMG response
- Non-invasive and safe



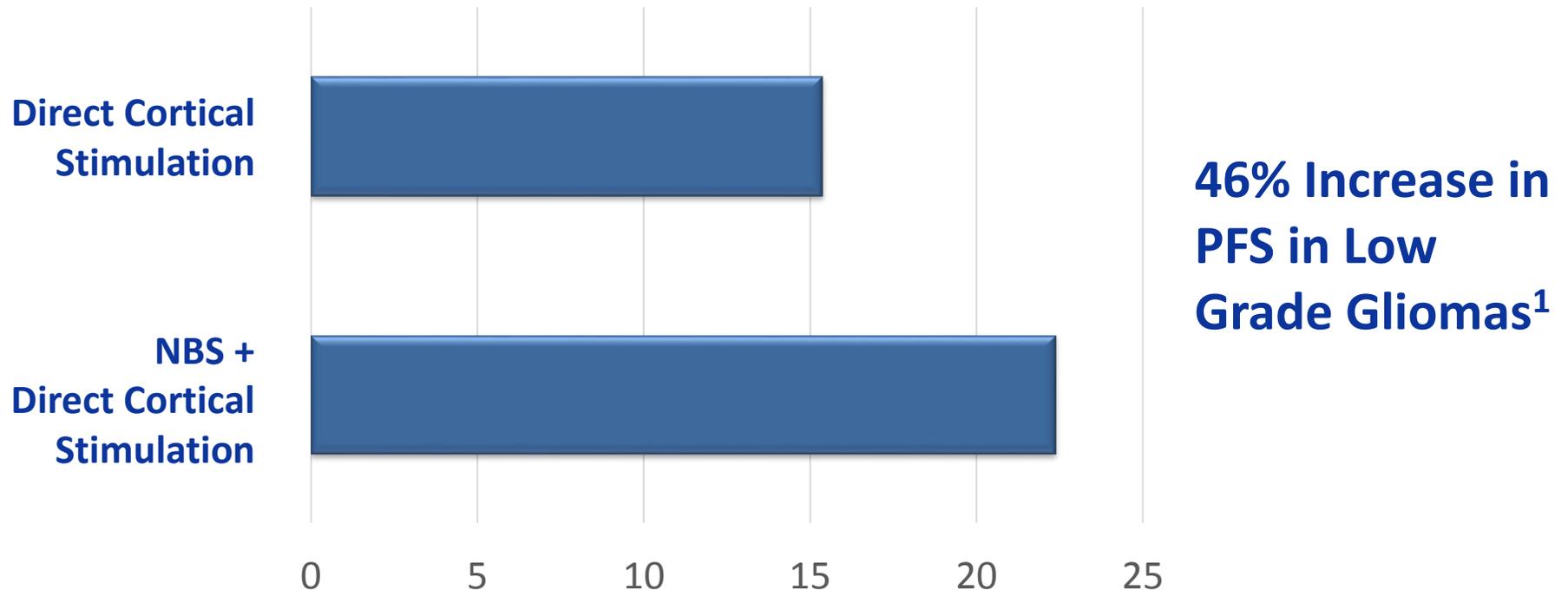
Our Technology – Applications

Technology	Applications – current focus					
Therapy Navigated Brain Therapy (NBT) 	Stroke		Depression		Chronic pain	
	Europe	US	Europe	US	Europe	US
	CE marked	Phase III trial underway	CE marked	FDA cleared	CE marked	Multi-centre clinicals planned
Diagnostic Navigated Brain Stimulation (NBS) 	Pre-surgical mapping – tumour resections					
	Europe	US				
	CE marked	FDA cleared				

NBS Pre-Surgical Mapping significantly improves clinical outcomes

- NBS demonstrates the value of our unique navigation system
- Allows the surgeon to be better prepared and more aggressive with the tumour resection

Progression-free Survival (Months)



¹ Dietmar Frey, Peter Vajkoczy, and Thomas Picht **Navigated transcranial magnetic stimulation improves the treatment outcome in patients with brain tumors in motor eloquent locations** Neuro Oncology 2014 : nou110v1-nou110

World Leading Centers Rely on NBS Pre-Surgical Mapping





Nexstim

Navigated Brain Therapy[®]

Reproducible specifically targeted transcranial
stimulation

NBT[®] (Navigated Brain Therapy) has potential for multiple therapeutic applications due to precise navigation

Stroke Rehabilitation Therapy

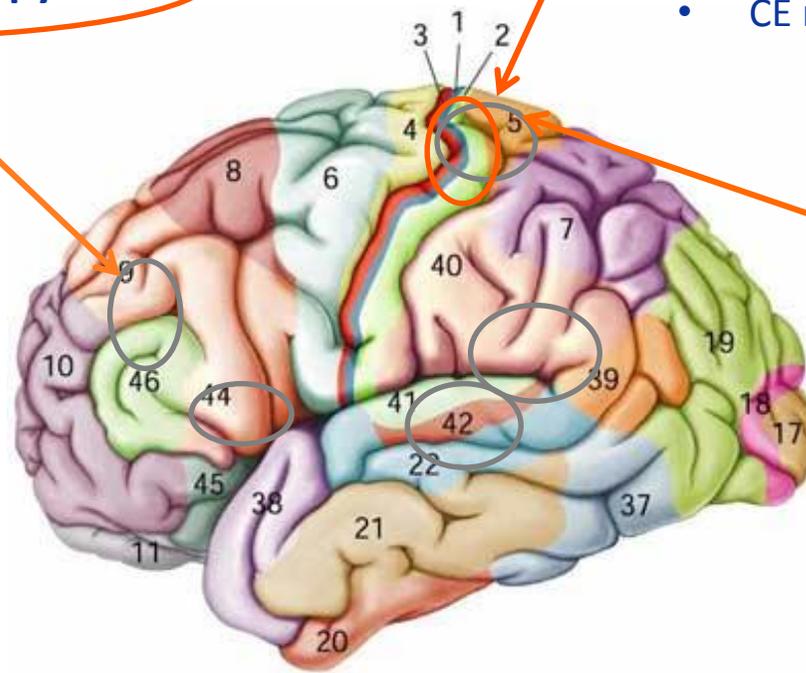
- E-FIT supplementary Phase III trial underway
- CE marked

Depression Therapy

- CE marked
- FDA cleared

Chronic Pain Therapy

- CE marked



Primary focus is Stroke, Depression and Pain

NBT[®] - method of treatment

NBT allows for reproducible targeted stimulation of the specific therapy area of the brain

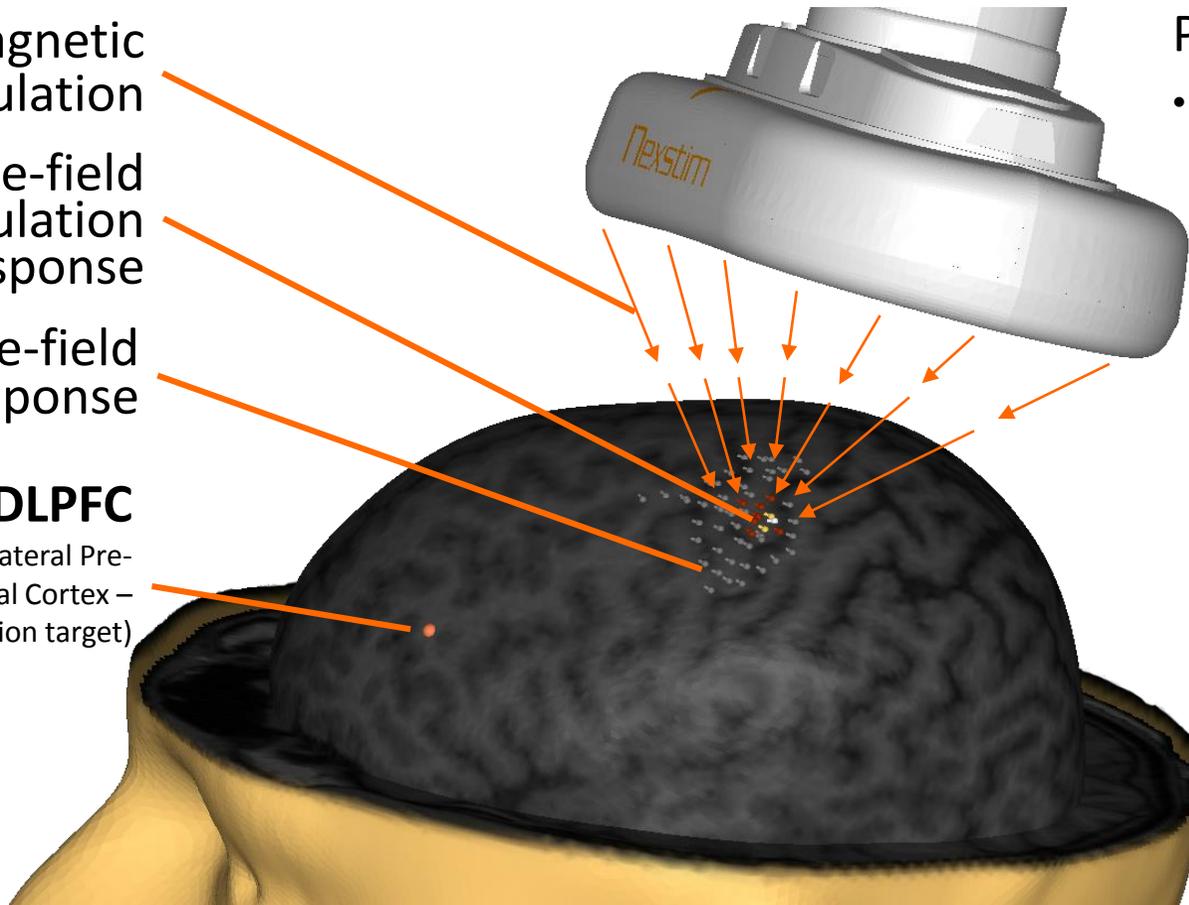
Magnetic stimulation

Max e-field stimulation response

e-field response

DLPFC

Dorso Lateral Pre-frontal Cortex – (depression target)



Process:

- Map the motor cortex:
 - Magnetic stimulation creating e-field – **e-field modeling ensures navigation accuracy**
 - The point of Max stimulation response is measured through EMG (hot spot)
 - Establish motor threshold at hot spot
 - Dose set at

120% depression

110% stroke

100% pain

... of motor threshold

Move coil to therapy location
eg. DLPFC for depression

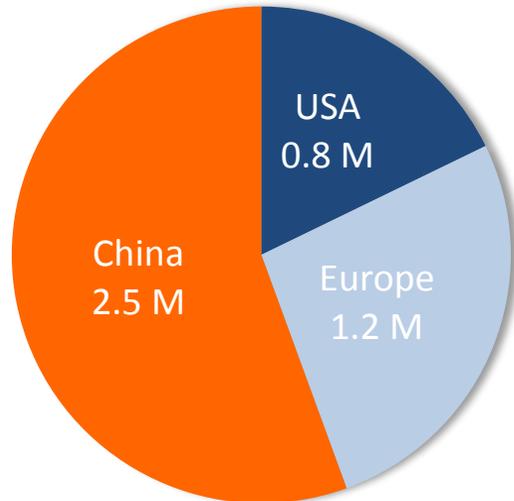
NBT[®] for depression

- Major depressive disorder affects >300 million people worldwide
- Existing psychotherapy and pharmacological treatment options are suboptimal
- Without navigation, the exact cortex area - Dorso Lateral Pre Frontal Cortex - requiring TMS treatment is correctly targeted in just 30% of patients
- US commercial launch in Q2 2018
- TMS reimbursement is already available at EU markets and in the US

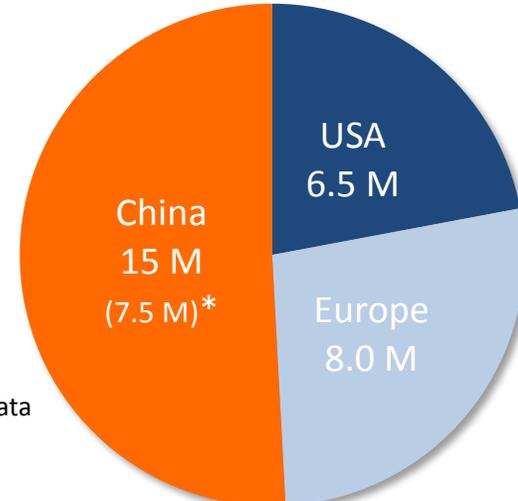


Market opportunity in stroke rehabilitation

2015 Incidence of stroke



2015 Stroke survivors

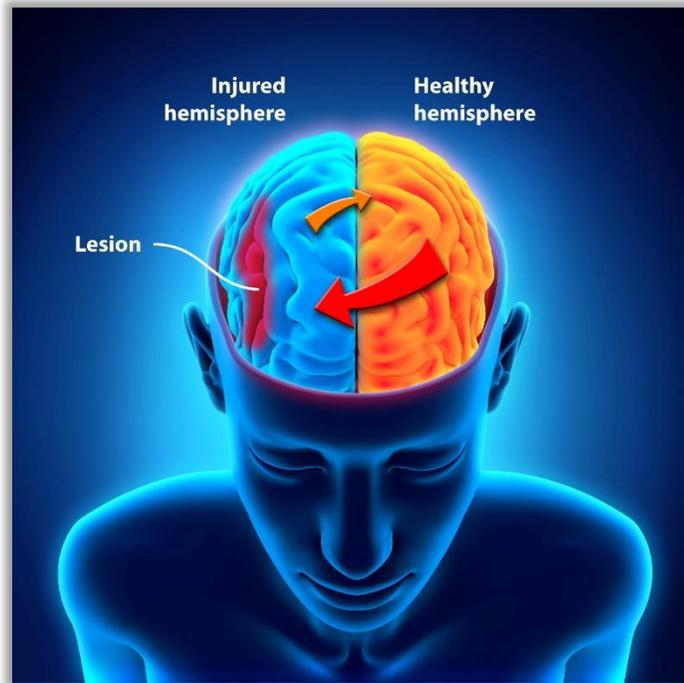


*Published data

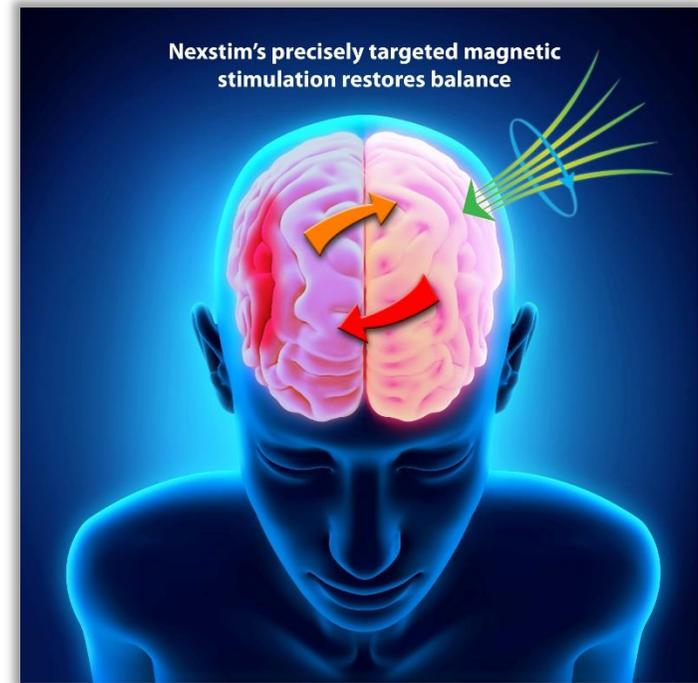
- Large and rapidly growing market
- 50% of stroke survivors will have upper limb paralysis with few available treatment options
- Focus on the period 3 months post stroke

NBT[®] for stroke rehabilitation – how it works

e-field navigation gives competitive edge through reproducible targeted stimulation



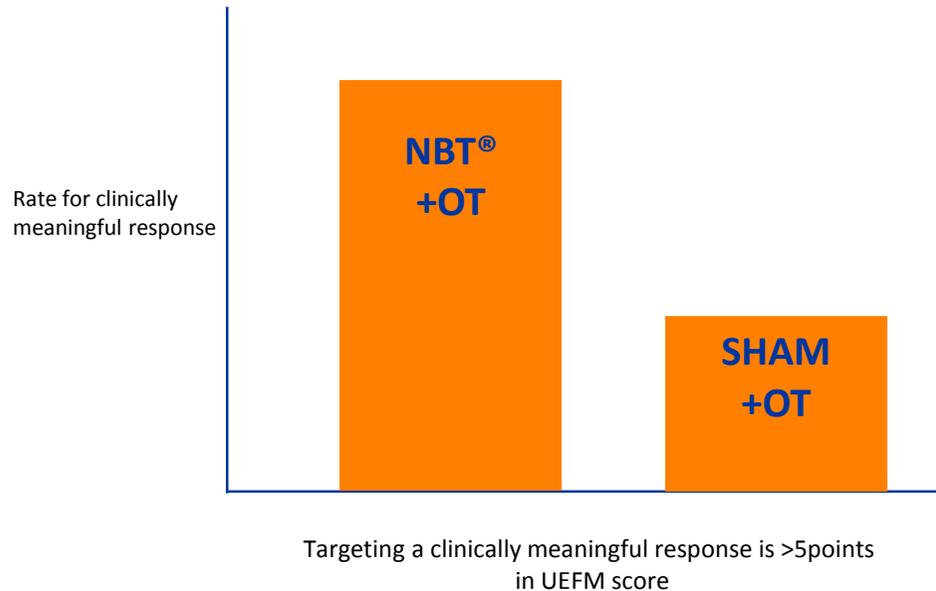
- Lesion causes upper limb impairment
- Target motor cortex in healthy hemisphere
- Dose temporarily inhibits the healthy cortex, normalising the balance between the two hemispheres



- Lesion side is now not dominated by healthy side
- Upper limb is therefore more receptive to occupational therapy
- It is the combination of e-TMS and OT that makes the difference

Supplementary E-FIT Trial to Support FDA Clearance

Supplementary E-FIT trial



- 60 patients – 5 leading US centers
- Similar results expected in the active patient group as per the NICHE study which showed a clinically meaningful response in 2/3 of patients
- Active group data from Phase III (NICHE) and supplementary trial to be pooled
- Nexstim expects completion of E-FIT trial in mid-2018
- Expect to file for FDA clearance immediately following results

Highly Supportive Key US Trial Centres based on involvement in the NICHE study



NBT[®] for chronic pain

- 40-50% of neuropathic pain patients are without effective pain relief
- Study conducted by The Walton Centre, UK stated that **44% of patients undergoing NBT therapy reported clinically meaningful pain relief** of at least 3 weeks' duration
- The Walton Centre is currently conducting a follow up study to measure the long term pain relief



Nexstim Milestones – China Partnership



Points of agreement

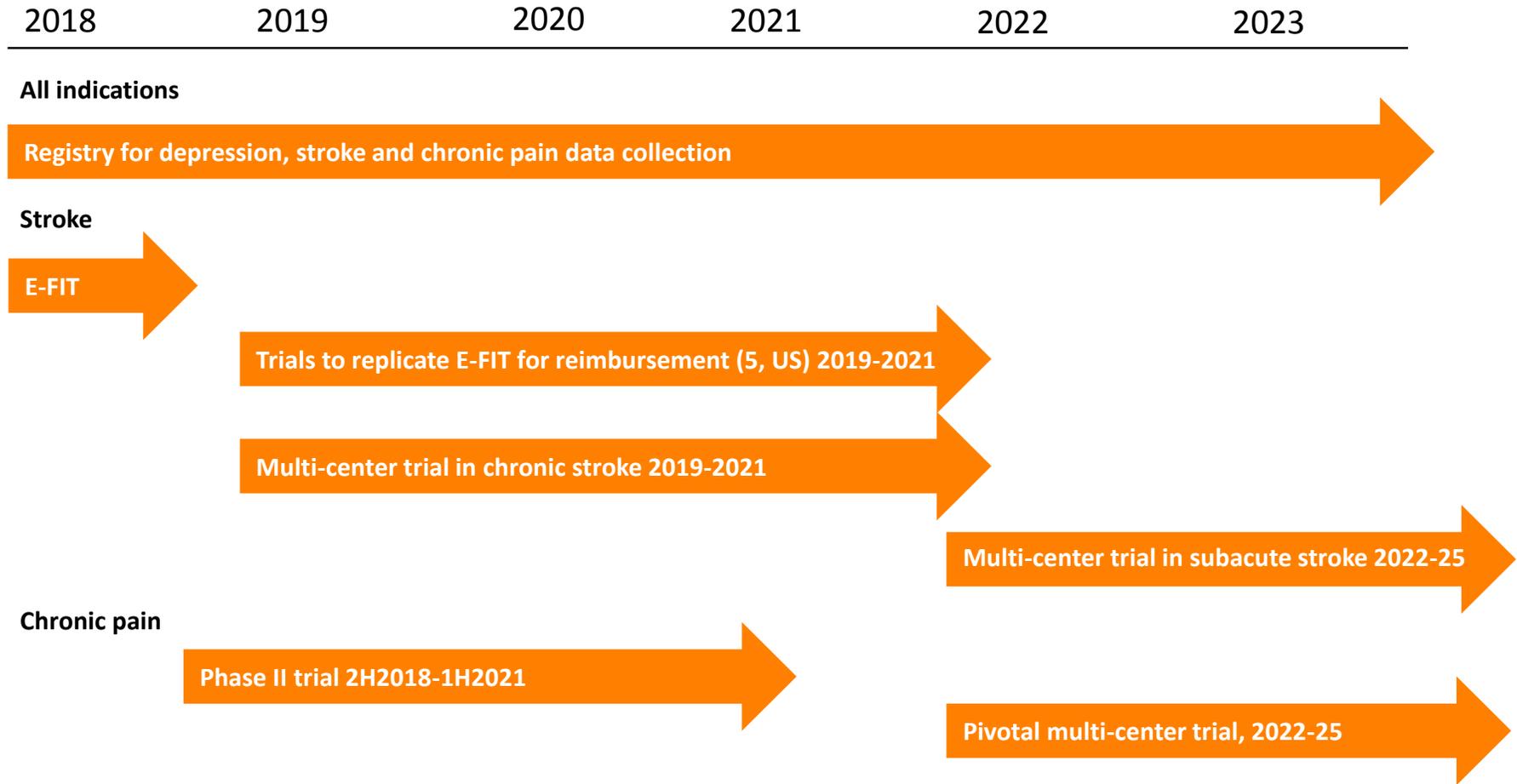
- Distribution
- Local assembly
- Partner investment

Nexstim Milestones

- US launch for depression – Q2 2018
- Complete E-FIT multi-centre trial – mid-2018
- File stroke 510k Denovo – H2 2018
- Secure funding to support US stroke therapy commercialisation – H2 2018
- Stroke commercial launch – H1 2019



Nexstim Milestones - Clinical trial plan



Nexstim Funding

- Company financed until end of Q1 2019
- Cash balance of EUR 9.2 million (30 June 2017)
- Bracknor and Finnish Innovation Fund Sitra raised EUR 12.8 million - EUR 14.3 million in open warrants
- Raised new equity financing of EUR 1.75 million during October 2017 from London-based investor City Financial
- Entered into a EUR 4 million loan agreement with Kreos Capital in December 2017





Nexstim

Thank you