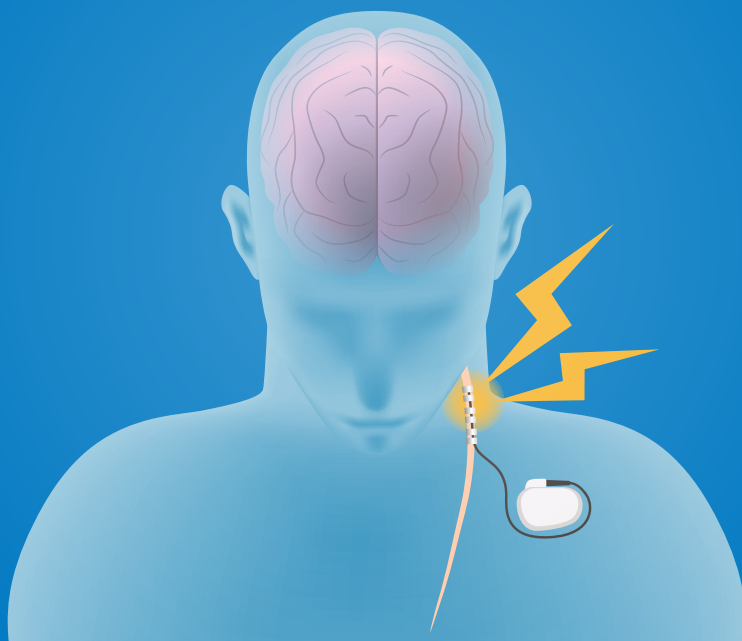


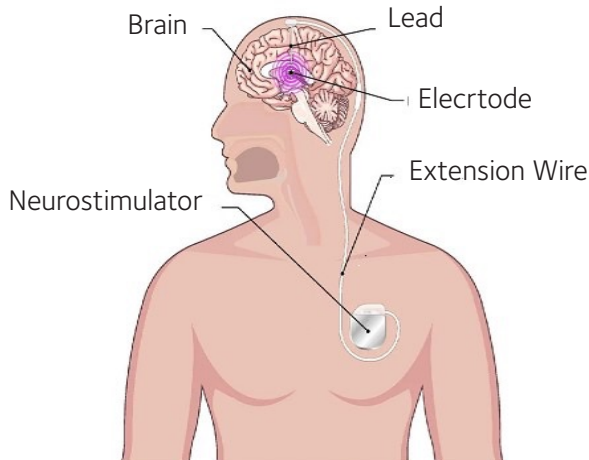
Deep Brain Stimulation (DBS) Insertion Procedure



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صحة • تعليم • بحوث
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Deep Brain Stimulation (DBS)



To provide patients with clear and simple information about the DBS surgery, including risks and benefits, to help them make informed decisions.

What is DBS?

- DBS stands for Deep Brain Stimulation.
- Its a therapy that uses small electrical pulses to help control abnormal brain activity and helps the brain work better.
- This can help people with neurological conditions to feel better and live easier lives.

How does DBS work?

- Small wires are put in your brain.
- These wires are connected to a tiny device under your skin.
- The device sends gentle signals to your brain. This helps with shaking and stiff muscles.

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Benefits of DBS

- Helps control symptoms: It helps with shaking and stiffness.
- Adjustable: Doctors can change how it works for you.
- Safe for the brain: It does not hurt the brain.
- Simple surgery: It is a smaller surgery than others.
- Long-lasting help: It helps for a long time.
- Less medicine: You may need fewer pills.

Risks of DBS

- Side effects: It can change how you talk, think, or feel.
- Stops working: If the device is off, symptoms can come back.

Preparing for DBS Surgery

- You'll sign a form to agree to the surgery.
- You'll be tested to see if you're a good candidate for DBS.
- You'll have scans to help doctors decide where to place the electrodes.
- You may need to adjust your medicine.
- Your doctor will explain the surgery, its risks, and benefits.

Before the Procedure

- Arrange for someone to drive you home.
- Don't eat or drink after midnight before surgery.
- Talk to your doctor about insulin if you have diabetes.
- Let your doctor know if you take blood thinners.

During the Procedure

- A head frame will be used to keep your head still.
- Electrodes are placed while you are awake to test how they work. Local or general anesthesia may be used.
- Leads are placed in specific parts of the brain and connected to a pulse generator under the skin near your collarbone.
- The neurologist and surgeon will watch you closely.
- The pulse generator is placed under the skin of your chest.

After the Procedure

- You'll stay in the hospital for a few days to a week.
- A few weeks after surgery, the pulse generator will be activated.
- Your doctor will adjust the settings over the next 4 to 6 months to find the best settings.
- The device may run constantly or be turned off at night.
- You can adjust the stimulation using a remote control.
- Battery life varies depending on how it's used.

Follow-Up Appointments

- You'll have follow-up visits to check how you're doing.
- Your doctor or nurse will teach you how to use the device and provide support contact information.

Incision Care

- Keep your cuts and stitches clean and dry.
- Watch for redness, swelling, or pus.
- Keep the stitches covered with a clean bandage.
- Avoid strenuous activities until the stitches heal.
- Your doctor will remove the stitches after 10 days.

Personal Hygiene

- After 10 days, you can shower gently with mild soap. Pat the cuts dry with a towel.
- Don't take baths or use swimming pools until your doctor approves.
- Use gentle soap and avoid harsh lotions on your cuts.
- Wash your hair gently if the cuts are near your scalp.

General Advice About DBS

- Start with light activities and increase intensity gradually.
- Don't lift anything heavier than 5 kg for the first 4 to 6 weeks.
- Take your medicine as prescribed by your neurologist.
- Your DBS device might need to be turned off or adjusted before an MRI.
- Tell security staff about your DBS device at airports.
- Avoid strong magnetic fields from powerful magnets or large machines.

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Emergency Situations

- If your symptoms suddenly get worse or your device stops working, go to the emergency room or call an ambulance. Tell them you have a DBS device.
- Wear a medical alert bracelet or carry a card that says you have a DBS device.

Contact Number:

- For more information about DBS insertion procedure, please contact the neuromodulation clinic at Qatar Rehabilitation Institute on Wednesdays from 7 am to 3 pm at this number: (40260171).



Patient and Family Education

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