



# KOREA·ISRAEL INDUSTRIAL R&D FOUNDATION

## Robotics Webinar – Entity Information

- Entity Full Name:

CUREXO Inc.

- Website:

www.curexo.com

- Sector/Segment:

*Healthcare/Medical robot/ Surgical robots and Rehabilitation robot*

- Presenter full name:

Sang-Hun Lee

- Presenter title:

Director of R&D center

- Presenter e-mail:

mrshlee@curexo.com

- Entity short description (up to 100 Words)

CUREXO is a Korean company that develops and provides medical robots for bone surgery and rehabilitation. CUVIS-joint is a surgical robot for knee replacement surgery, CUVIS-spine is for spine surgery, and Morning Walk is a rehabilitation robot for gait training. Since it took its first step in the medical industry in 2006, CUREXO has been steadily growing with continuous R&D and endless challenges. In 2017, CUREXO took over the medical robot sector of Hyundai Heavy Industries to build the R&D-manufacture-sales line and secure the nation's best research staff, and is striving to be the top in the medical robot field.



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- Technology description (up to 150 Words)

CUVIS-joint is a surgical robot that cuts bones of knee joint for exact positioning of implants for total knee arthroplasty. Based on CT images, patient-specific preoperative plans can be established, allowing cutting bones more accurately and safely. And it also provides gap-check and intra-op plan change functions to take into account the condition of the patient's soft-tissue.

CUVIS-spine is a surgical robot that guides the location and position of pedicle screws precisely based on 2D C-arm or 3D CT images and corrects while monitoring the patient's posture in real-time during the insertion of pedicle screws. Also, safety increases as the exposure to radiation are lessened during the surgery.

Morning Walk is a gait rehabilitation robot for the patients with walking difficulties. It is an end-effector type robot, which provides gait pattern through footplates. With its unique saddle-type body weight support, it dramatically minimizes training prep time, less than five minutes.



< CUVIS-joint, CUVIS-spine, and Morning Walk >

You can see the videos of CUREXO products in YouTube channel;

[https://www.youtube.com/channel/UCA2Ber73xA4Jsp2pJKf2o7Q?view\\_as=subscriber](https://www.youtube.com/channel/UCA2Ber73xA4Jsp2pJKf2o7Q?view_as=subscriber)

CUVIS-joint <https://www.youtube.com/watch?v=dN8U3WVKHBs>

CUVIS-spine <https://www.youtube.com/watch?v=HYflcJghs-8>

Morning Walk <https://www.youtube.com/watch?v=ET7tpHzSHKw> .

- Type of collaboration your entity is looking for (up to 150 words)

We think this conference is a good chance to introduce us abroad. We currently don't have any specific policies of collaboration; we are open to any kind of collaboration. If we got a good suggestion, we are willing to review it.



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