

OLYMPUS Technology Strategy for ICT-AI Platform

Development of an open platform for AIassisted diagnosis in endoscopic examinations ~To offer applications of Computer-Aided Diagnosis (CAD) in Gastrointestinal Endoscopy~

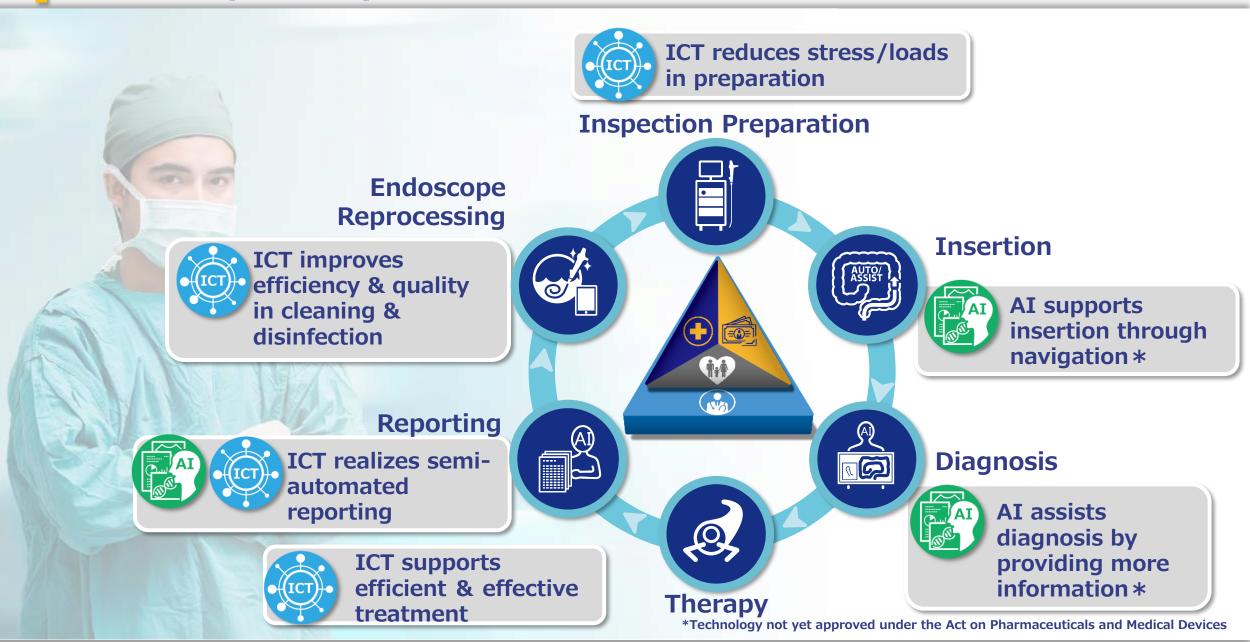
March 13th, 2019 Takaharu Yamada General Manager GI&R Endoscopy Marketing Department

Utilize ICT-AI to enhance the efficiency of customers' work and satisfaction

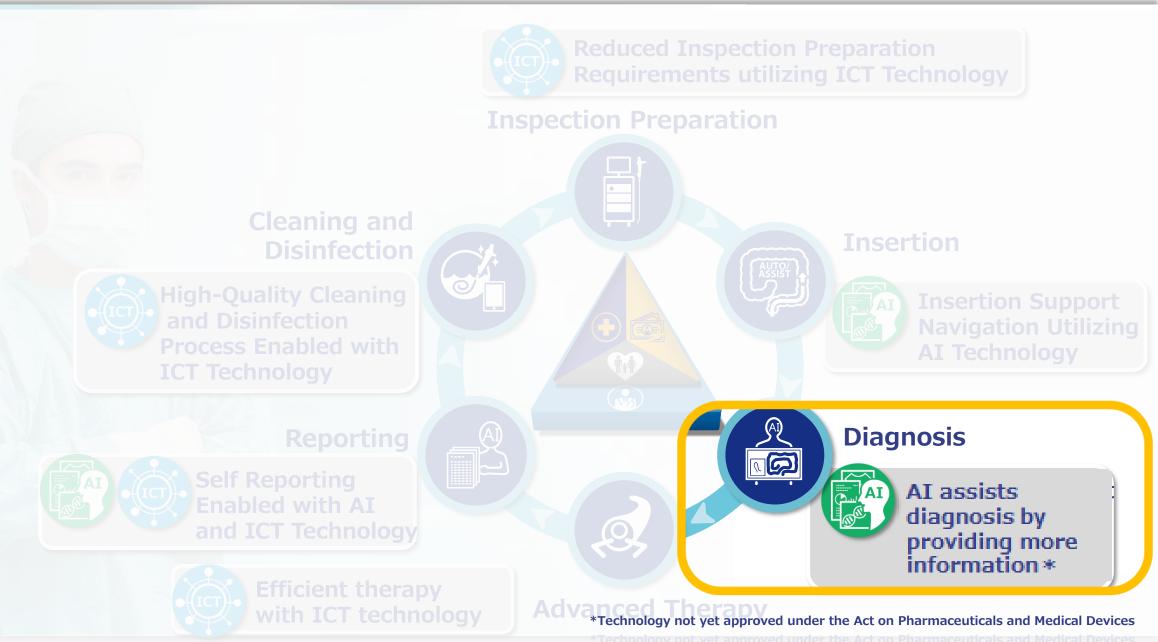


Endoscopic Inspection Workflow





Endoscopic Inspection Workflow

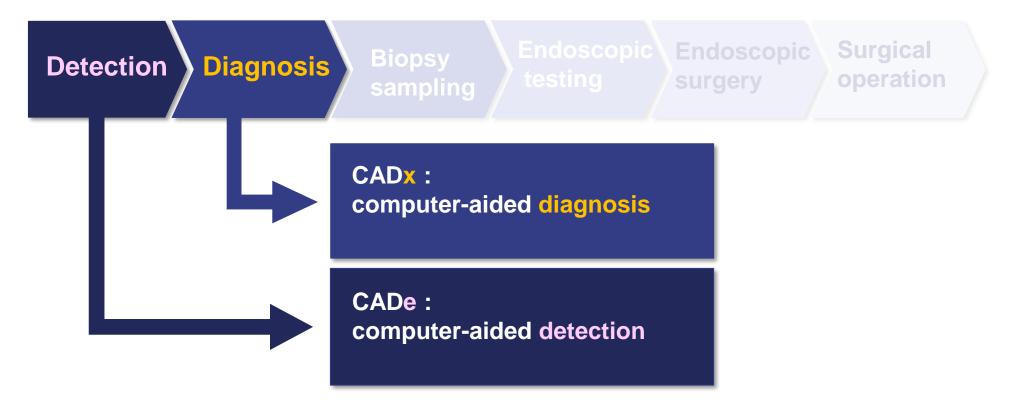


Computer-Aided Diagnosis (CAD)

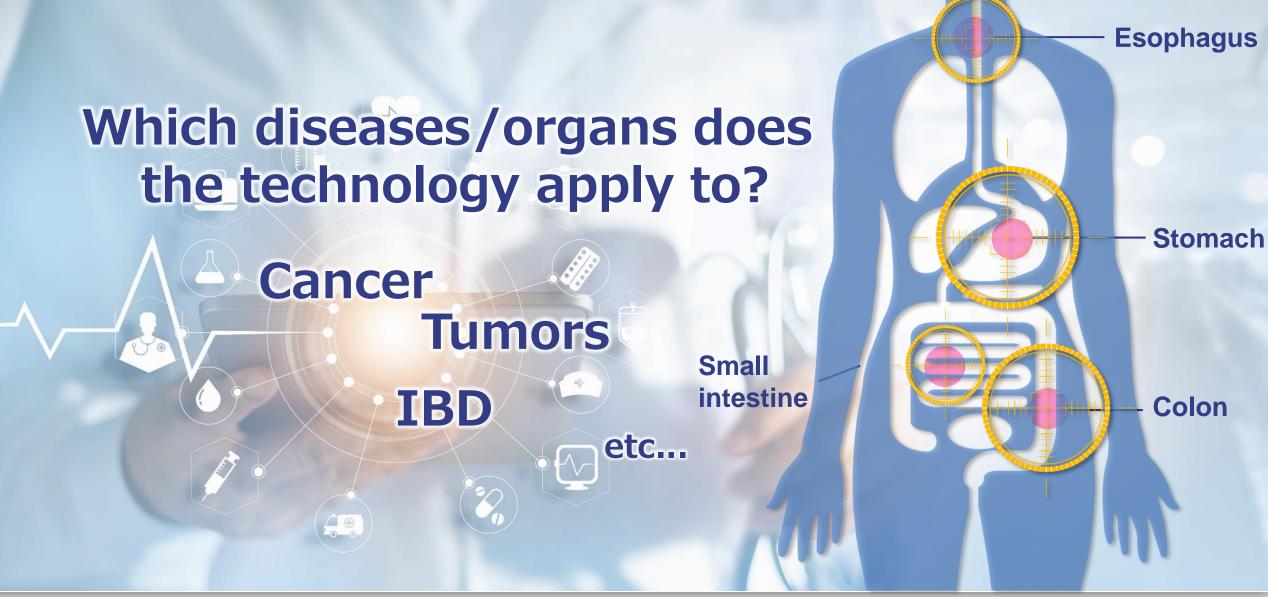
CAD Computer-Aided Diagnosis

Computers quantitatively analyze medical images and supports disease diagnosis (detection and differentiation) by doctors

Doctors make final decisions.



Organs/Diseases in Gastrointestinal Field



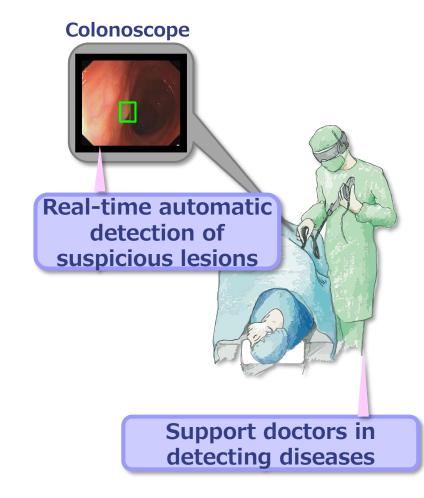
Partners

We will continue working with healthcare professionals while also looking to collaborate with other organizations that offer strong AI technology to complement our own CAD development, aiming to realize a range of CAD applications technologies for the gastrointestinal endoscopy field

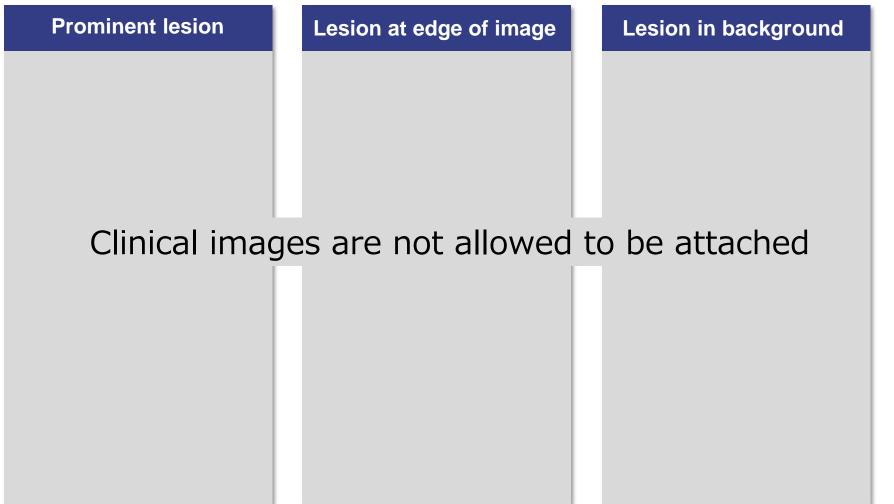


Contribute to enhance the efficiency in endoscopic inspection

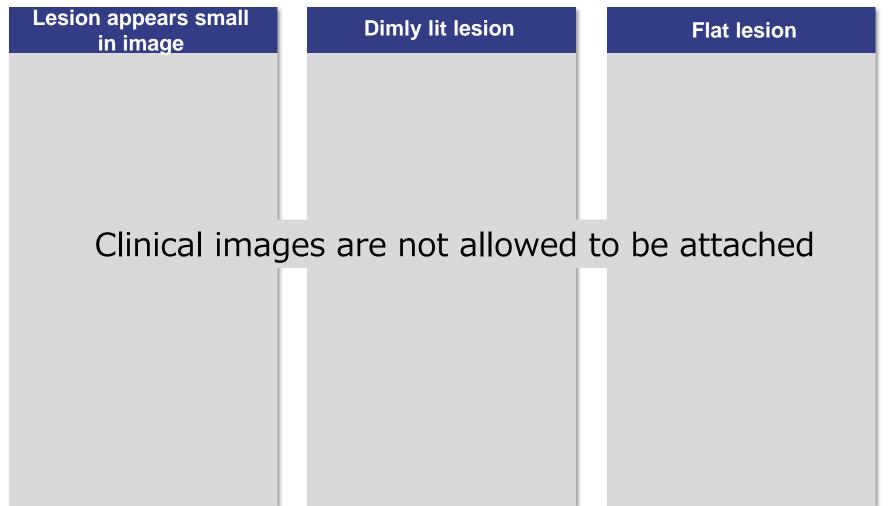
Clinical images are not allowed to be attached







Detecting lesions under various conditions based on training data from expert doctors



*Technology not yet approved under Act on Pharmaceuticals and Medical Devices

CADx: Computer-aided diagnosis

<u>ニュースリリース</u> 2019 年 2 月 25 日 大腸内視鏡検査における医師の診断補助に貢献 AI を搭載した内視鏡画像診断支援ソフトウェア「EndoBRAIN®」を発売 内視鏡分野の AI 技術において国内初の薬事承認を取得
「外状態力 打り くれ 大阪 () によ 大陽の超拡大内視鏡画像を人工知能(A)) で解析し、 ちがらいていたい、「「「「」」」、「「」」、「」」、「」」、「」」、「」」、「」」、「」」、「

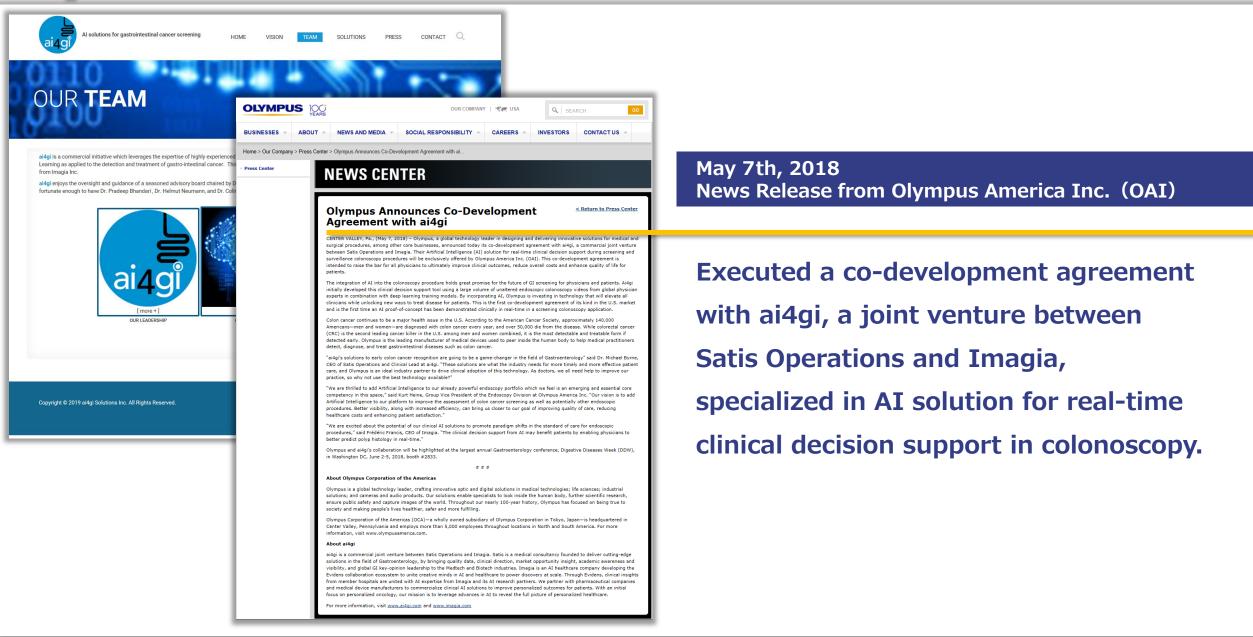


OLYMPUS

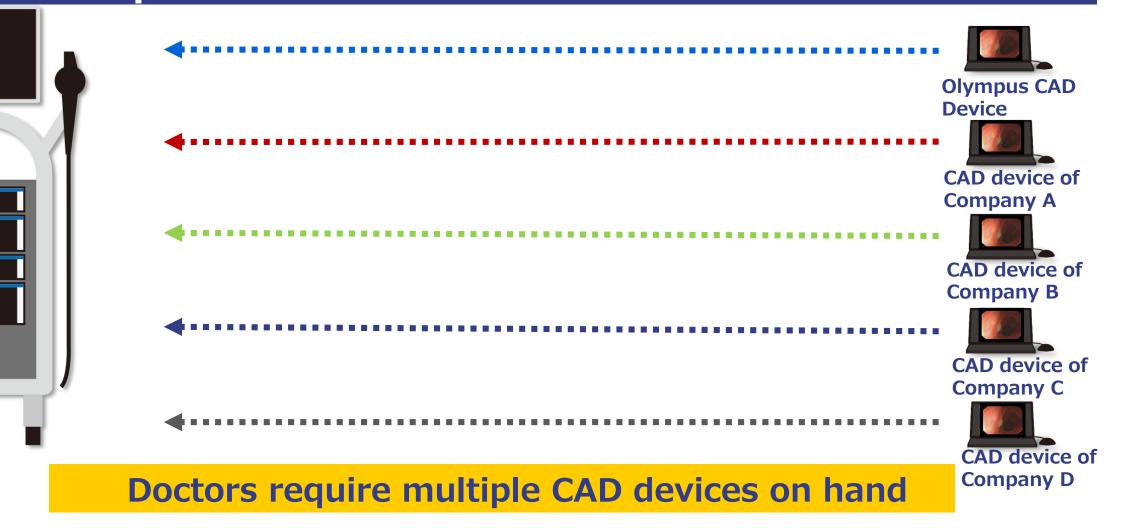
News Release: Announced on Feb 25th for Japan

Launched EndoBRAIN®, AI-assisted diagnostic support software for endoscopic images, with an expectation as a diagnostic support tool for doctors in colonoscopies. Obtained the Japan's first regulatory approval as an AI technology in the endoscopy field

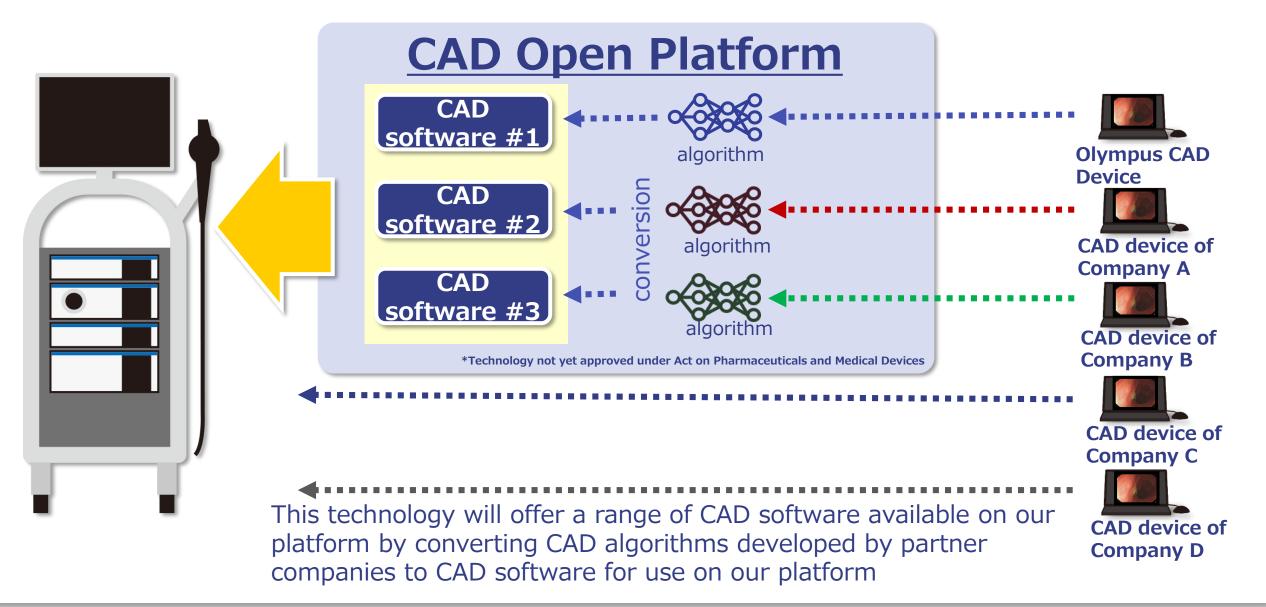
3:ICT-AI Technology Initiative

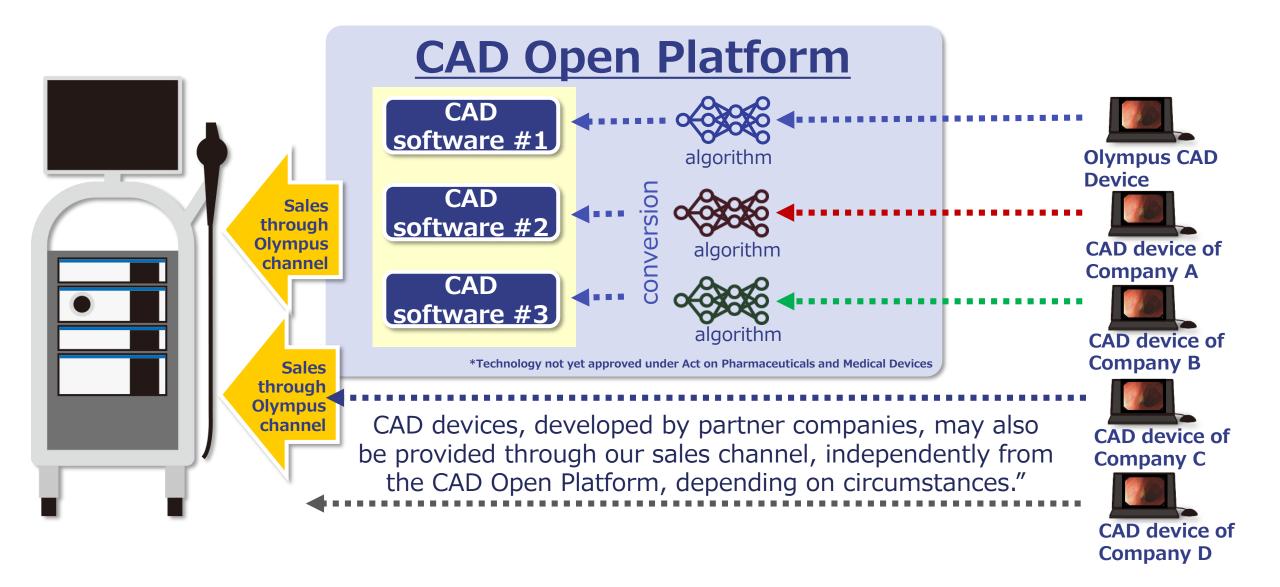


Near future: Multiple CAD devices will be offered by various

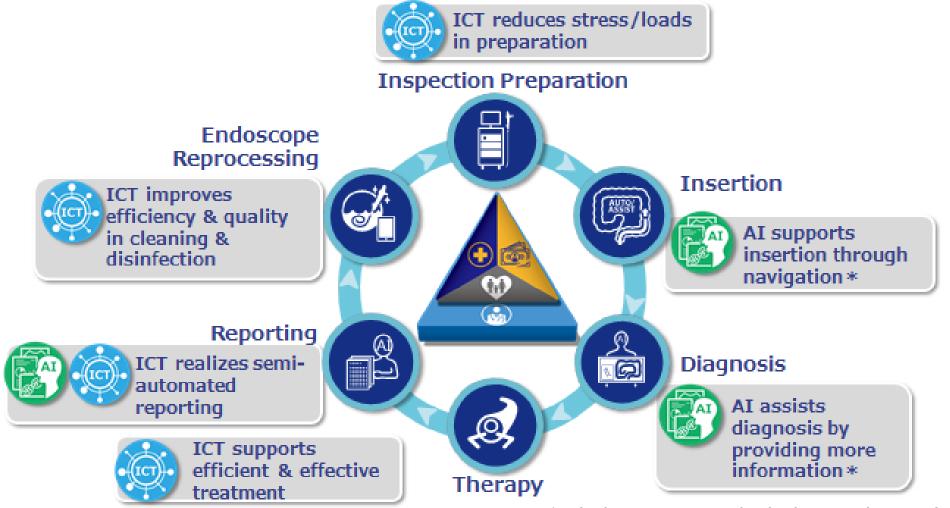








We will continue striving to develop technologies by utilizing AI and ICT to further advance and spread the Endoscopic Medicine



*Technology not yet approved under the Act on Pharmaceuticals and Medical Devices

