

Certifications (FDA, CE, MFDS)



Medical device manufacturing business license
GMP Certificate



MFDS Certificate FDA Certificate CE Certificate

Awards 8 awards from 5 organizations



Min. of Health and Welfare, Korea Min. of Science and ICT, Korea



Min. of Trade, Industry and Energy, Korea Min. of SMEs and Startups

Total 17 patents
Korea, USA, Europe, China



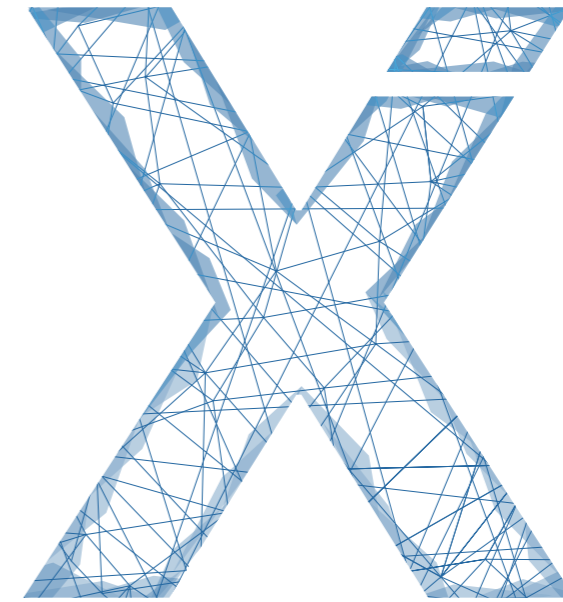
Korean patent U.S. patent European patent Chinese patent

DEEPCATCH X provides monitoring services by detecting the dilated region of the thoracic ascending aorta and its maximum diameter, which may progress to aneurysms based on the 2010 AHA Guideline and 2022 ACC* AHA* Guideline.

* ACC : American College of Cardiology
* AHA : American Heart Association

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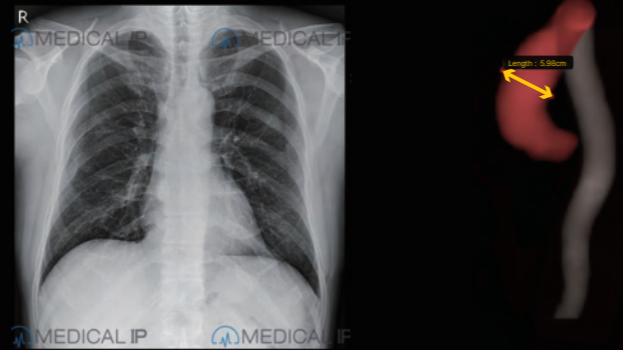


DEEPCATCH X

X-ray AI solution for 3D analysis of the thoracic aorta

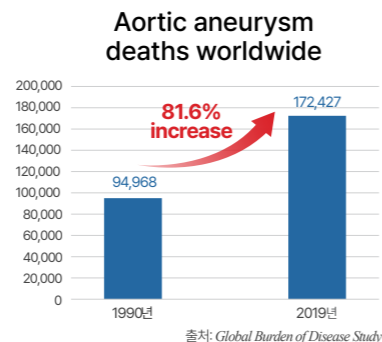
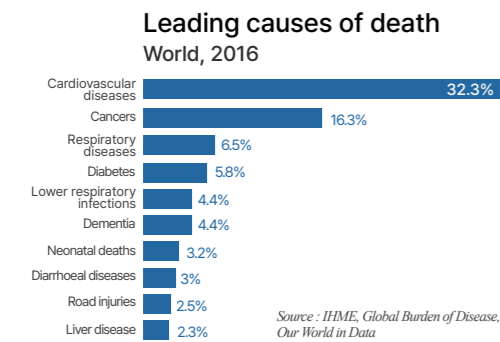
DEEPCATCH X

Manage your aorta health by quantifying chest X-ray with AI.



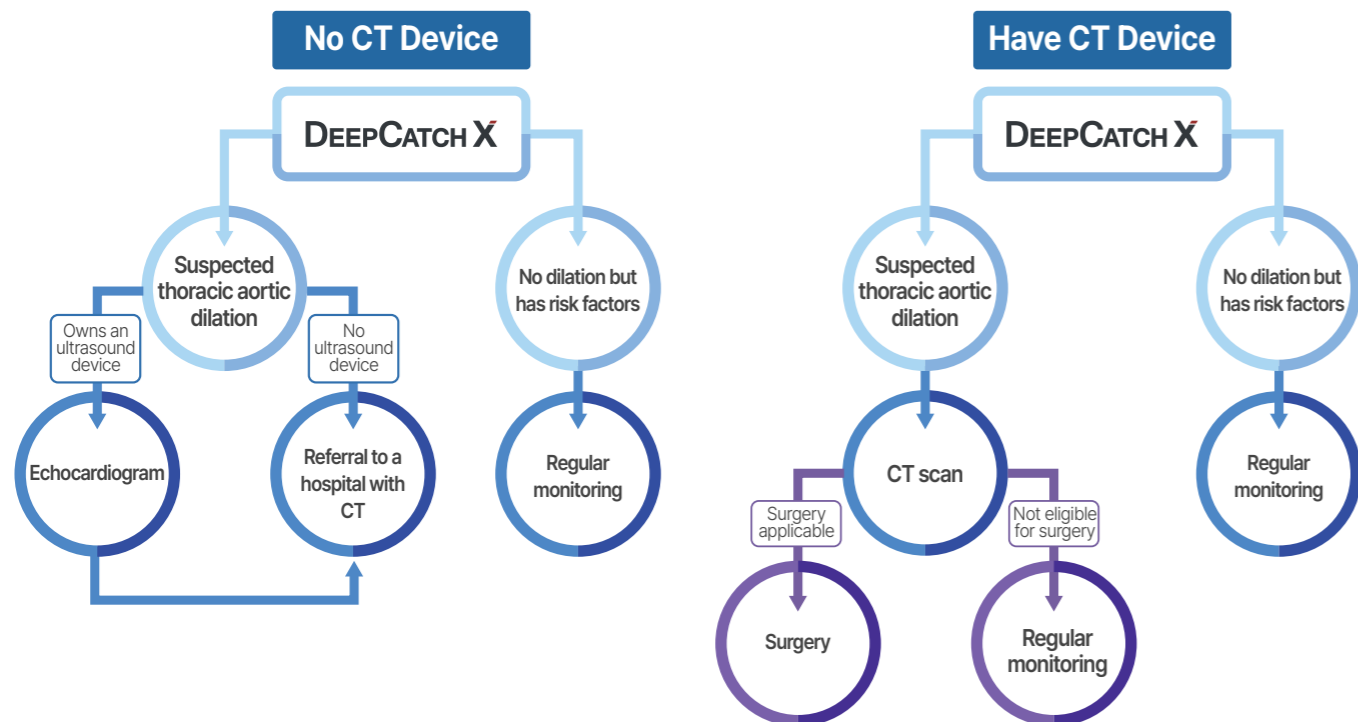
Reasons to use DEEPCATCH X

Thoracic aortic aneurysms have an incidence rate of about 5.6 to 10.4 per 100,000 people per year, and prevalence of about 4.2% even in the general group without hypertension. **Since 95% of**



thoracic aortic aneurysms are asymptomatic, most people do not know until aortic dissection or rupture occurs. Except for such painful emergencies, **they can be incidentally found in medical examinations or imaging tests performed for other diseases.**

How to use DEEPCATCH X



Imaging diagnosis

	DEEPCATCH X	* TTE	* TEE	CT	MRI	Angiography
Ease of use	+++	+++	++	+++	++	+
Cost	+	-	-	--	---	---

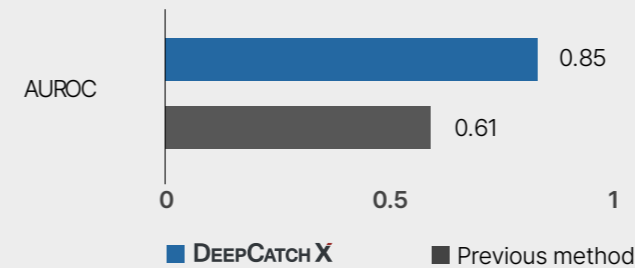
* TTE: Transthoracic Echocardiography
* TEE: Transesophageal Echocardiography

DEEPCATCH X utilizes the chest X-ray to provide the maximum diameter of the thoracic ascending aorta. It has a **high accuracy of more than 90%** in patients with thoracic aorta aneurysms. DEEPCATCH X is both **accessible**, by utilizing X-rays, and **inexpensive for patients**, making it ideal for regular examination purposes.

* Accuracy may vary depending on the patient's degree of cooperation in chest X-rays.

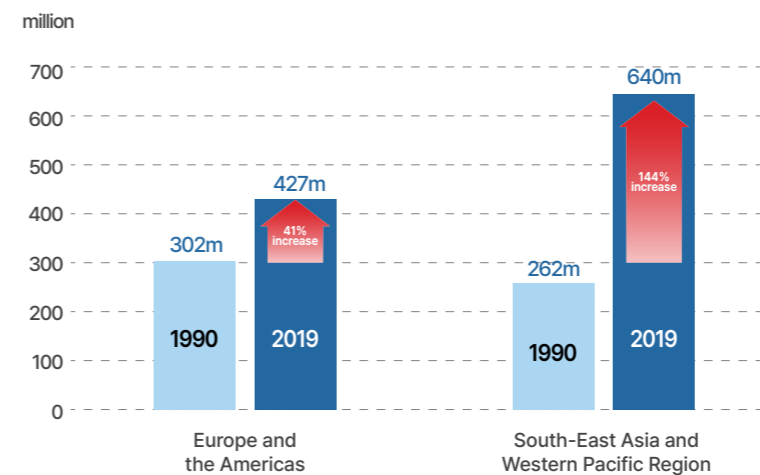
Beyond the Limits of X-ray with AI

Aortic dilation analysis (standard: 4.0cm or more)



On X-rays, several organ structures overlap, causing the aorta to appear obscured.

DEEPCATCH X **overcomes the limitations of the two-dimensional X-ray images**, by combining artificial intelligence and computer engineering technology.



- ◆ Easily manage high-risk patients with hypertension
- ◆ Attract potential long-term customers by regularly monitoring even asymptomatic patients
- ◆ Increase hospital profits by monitoring the high-risk factors for aneurysm
 - + Smoking cessation clinics
 - + Obesity clinics