Major Customers

Special Benefits when you sign up or purchase today

DeepCatch
First Month Free
DeepCatch one month free trial
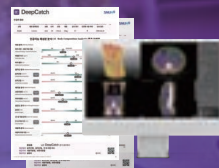
FREE

Benefits

High-performance PC for free	Patient report provided	Additional profit generation

- PC provided during the usage period (including demo period)
- No additional installation required when subscribing

- Providing unlimited DeepCatch reports

- High cost-effective revenue generation

Differentiate your health check-up service
*Medical IP may request a survey or interview of patient during the free demo period

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DeepCatch

FDA 510(k) Clearance (v.1.1.4)

KOREA MFDS(K-FDA) Approved (v.1.3.0)
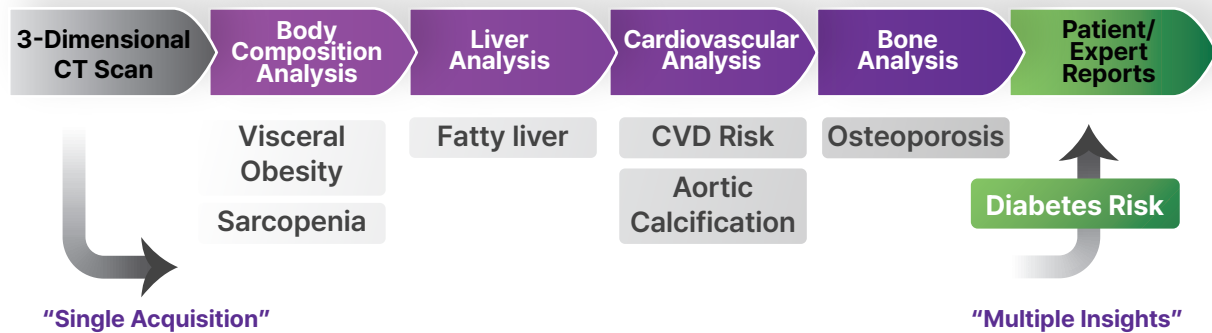
식품의약품안전처
Ministry of Food and Drug Safety

MEDICAL IP

Product Overview

DeepCatch automatically analyzes the whole-body composition from CT images to provide accurate metabolic conditions such as obesity and sarcopenia, which can be inferred and monitored. In addition, DeepCatch can identify metabolic status early without additional CT scans.

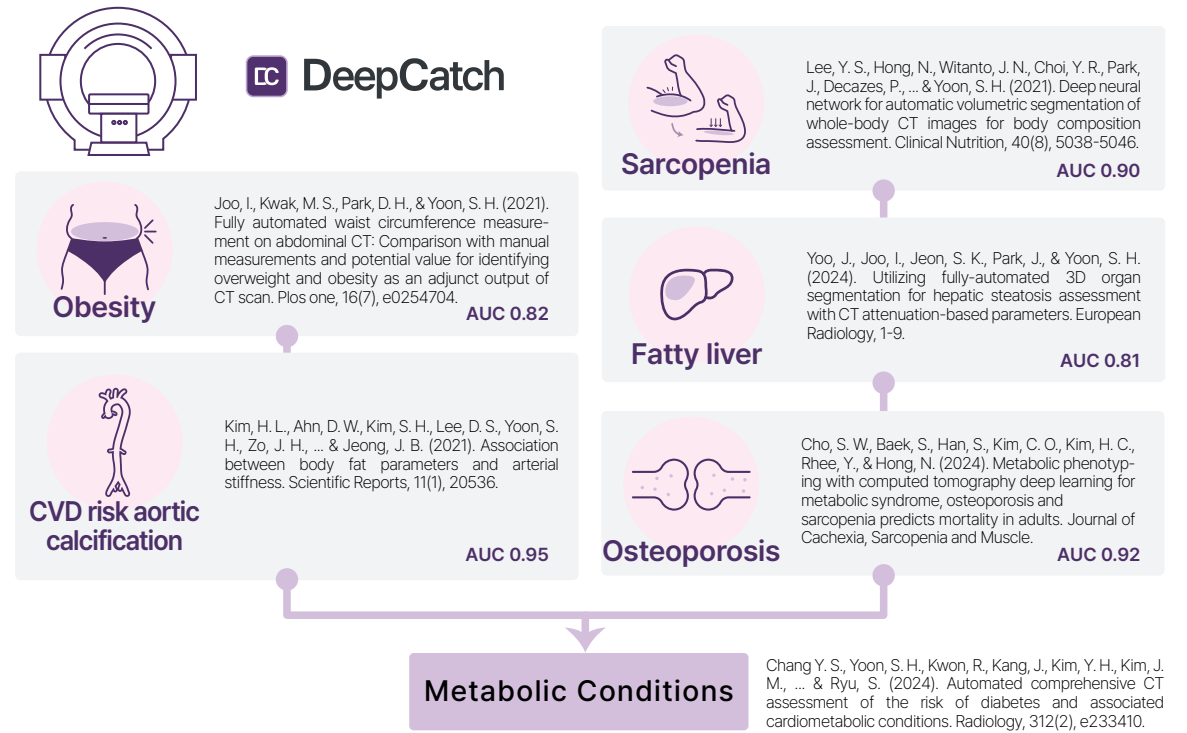### Comprehensive Body and Organ Insights from a Single CT Scan

3-Dimensional CT Scan	Body Composition Analysis	Liver Analysis	Cardiovascular Analysis	Bone Analysis	Patient/ Expert Reports
	Visceral Obesity	Fatty liver	CVD Risk	Osteoporosis	Diabetes Risk
	Sarcopenia		Aortic Calcification		

"Single Acquisition"   "Multiple Insights"

97% High Accuracy full body composition analysis

Automatic analysis of body composition and quantitative information

Opportunistic screening for metabolic diseases with **a single CT scan**

Biomarkers for obesity, sarcopenia, and osteoporosis.

Learn more

Han, Yoo Min, et al. "Visceral adipose tissue reduction measured by deep neural network architecture improved reflux esophagitis endoscopic grade." Official journal of the American College of Gastroenterology ACG (2024): 10-14309.

Lee, Min Woo, et al. "Prognostic value of initial and longitudinal changes in body composition in metastatic pancreatic cancer." Journal of Cachexia, Sarcopenia and Muscle 15.2 (2024): 735-745.

DeepCatch indications based on clinical research

DeepCatch

Obesity
Joo, I., Kwak, M. S., Park, D. H., & Yoon, S. H. (2021). Fully automated waist circumference measurement on abdominal CT: Comparison with manual measurements and potential value for identifying overweight and obesity as an adjunct output of CT scan. Plos one, 16(7), e0254704. **AUC 0.82**

CVD risk aortic calcification
Kim, H. L., Ahn, D. W., Kim, S. H., Lee, D. S., Yoon, S. H., Zo, J. H., ... & Jeong, J. B. (2021). Association between body fat parameters and arterial stiffness. Scientific Reports, 11(1), 20536. **AUC 0.95**

Sarcopenia
Lee, Y. S., Hong, N., Witanto, J. N., Choi, Y. R., Park, J., Decazes, P., ... & Yoon, S. H. (2021). Deep neural network for automatic volumetric segmentation of whole-body CT images for body composition assessment. Clinical Nutrition, 40(8), 5038-5046. **AUC 0.90**

Fatty liver
Yoo, J., Joo, I., Jeon, S. K., Park, J., & Yoon, S. H. (2024). Utilizing fully-automated 3D organ segmentation for hepatic steatosis assessment with CT attenuation-based parameters. European Radiology, 1-9. **AUC 0.81**

Osteoporosis
Cho, S. W., Baek, S., Han, S., Kim, C. O., Kim, H. C., Rhee, Y., & Hong, N. (2024). Metabolic phenotyping with computed tomography deep learning for metabolic syndrome, osteoporosis and sarcopenia predicts mortality in adults. Journal of Cachexia, Sarcopenia and Muscle. **AUC 0.92**

Metabolic Conditions
Chang Y. S., Yoon, S. H., Kwon, R., Kang, J., Kim, Y. H., Kim, J. M., ... & Ryu, S. (2024). Automated comprehensive CT assessment of the risk of diabetes and associated cardiometabolic conditions. Radiology, 312(2), e233410.

Report service that provides various information from

DeepCatch (v.1.3.0)

Web-based 3D visualization(Mobile)

Cardiometabolic condition

Obesity (subcutaneous fat, visceral fat, etc.)

Fatty liver (ultrasound <<< DeepCatch)

Sarcopenia (muscle quality analysis)

Osteoporosis (bone HU analysis)

Reports can be customized according to the request of medical institutions.