

# ClariAdipo

AI-based Abdomen Fat Analysis – Prediction of Onset Metabolic Syndrome

The accuracy of ClariAdipo is based on AI Deep Learning Technology and automatically measures the subcutaneous and visceral fat on abdominal CT images. ClariAdipo is a system that helps to predict the risk of developing metabolic syndrome. It is a standalone software that analyzes CT abdomen fat from DICOM image data sets.



Compatible with any DICOM standard CT and PACS system



Automatically measures subcutaneous, visceral, and abdomen fat



Simple installation and fast operation

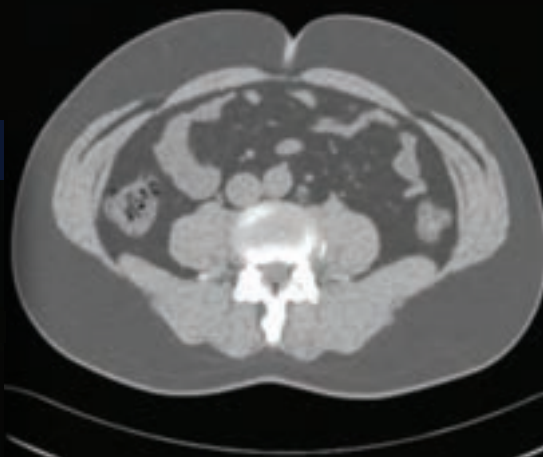
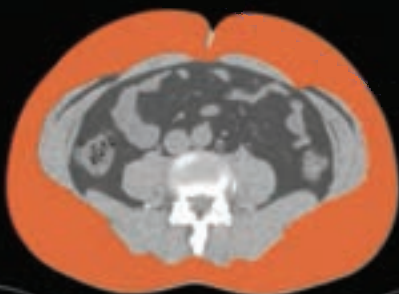


Helps predict the risk of developing metabolic syndrome

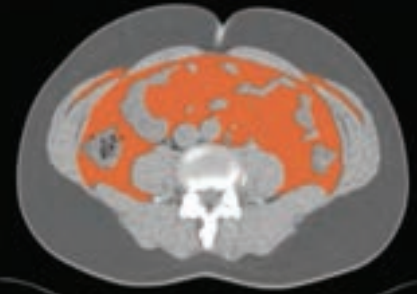
## ClariAdipo

Automatically measures the ratio and area of subcutaneous & visceral fat

SUBCUTANEOUS FAT



VISCERAL FAT



# HOW DOES IT WORK?

Visceral fat is automatically divided among the total fat in the abdomen and the patient's risk of metabolic syndrome is classified into five levels:

**Usual**   **Mild**   **Moderate**   **High**   **Very High**

**MFDS KOREA**

**Clari $\pi$**   
A Medical Research Organization

## Abdomen Fat Index Report

**ClariAdipo**

**Patient Information**

Patient Name: KITS-00000  
 Patient ID: KITS-00000  
 Age: 49      Gender: F  
 Date of Birth  
 Accession Number  
 Study Date: 20030629  
 Study Description: three\_phase\_abdomen

**Procedure**

Institution Name:  
 Manufacturer: SIEMENS  
 Manufacturer's Model Name: SOMATOM Definition  
 Slice Thickness: # mm  
 kVp: 000      mAs: 000      Exposure Time: 000  
 Convolution Kernel: [30f | 1]  
 Protocol:

**Measurements**

	Synthetic Slice	Slice Average
Total Fat (TF)	436.56 g <sup>2</sup>	436.58 g <sup>2</sup>
Subcutaneous Fat (SF)	278.27 g <sup>2</sup>	278.20 g <sup>2</sup>
Visceral Fat (VF)	158.25 g <sup>2</sup>	158.38 g <sup>2</sup>
VF / TF	0.36	0.36
Waist Circumference	120.47 g <sup>2</sup>	119.01 g <sup>2</sup>
Fat Threshold	-250 ~ -50HU	-250 ~ -50HU

S0      96      125      151      180      250

**Q1 Usual    Q2 Mild    Q3 Moderate    Q4 High    Q5 Very High**

Signed By: User 1      Date: 2019/12/06 12:11

**BIG DATA**   **Deep Learning Inside**

## CT SCANNERS



DICOM

**CLARICT.AI + CLARIADIPO**



DICOM

**PACS**



**Clari $\pi$  Inc.**  
AI MEDICAL IMAGING SOLUTIONS  
[www.claripi.com](http://www.claripi.com)

ClariPi provides innovative solutions to solve the problems in medical imaging field through the convergence of big data and intelligent image processing technologies. Our solutions help imaging experts make confident decisions with clearer information and more convenient decision guidance.

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