Adipocytes reside in *multiple visceral and sc 'white' adipose depots*

Smaller depots:
- Perivascular
- Peri- & epicardial
- Bone marrow
- Dermal

Adipocytes in each depot differ in *metabolic and secretory capacities, and functions*

Waist = visceral + abdominal sc

Whole Body MRI

VISCERAL (OMENTAL)

Perivascular

Pancreatic

Novel phenotypes of prediabetes?

Diabetologia (2016) 59:1806–1818

Haring, H-U
CT quantification of epicardial adipose tissue (EAT).

EAT can be differentiated from paracardial adipose tissue by Catmull-Rom spline interpolation of the pericardium.

EAT (purple) with a CT attenuation number of −190 to −30 Hounsfield units lies inside the pericardial contour, in contrast to paracardial and thoracic adipose tissue (yellow), which lies outside of the pericardial contour.

BMI, body mass index.
• DXA – upper body (trunk) vs lower body fat
• - lower body fat mass attenuates increased disease risk associated with Upper body fat distribution

Subjects matched for age and BMI