CT Angiogram for DIEP flap assessment:

Small low lying unsuitable SIEAs

Right:

Type 2 DIEA

The medial trunk follows a short oblique and vertical trans-muscular course, gives a small direct perforator and then terminal better quality perforator 5 cm lateral, 2 cm inferior

The lateral trunk continues in a vertical submuscular course and does not give any significant perforators

Left:

Type I DIEA

2 tiny medial branches, non-measurable perforators.

1 cm inferior to the umbilicus a stronger medial branch follows a moderate oblique sub-muscular course, perforating at the medial edge of the rectus muscle 15 mm lateral and 2 cm superior

Small direct perforator from the main trunk at the same level as the medial branch perforates laterally, 5.5 cm lateral and 1 cm inferior

Tiny terminal direct perforator from the main trunk, 5 cm lateral, 2.5 cm superior

No other abnormality.

Dr J. Atchley

Consultant Radiologist GMC: 3168305