

Table I. The characteristics of the two intravascular imaging modalities

	FD-OCT	IVUS
Energy wave	Near-Infrared	Ultrasound
Frame rate (s)	100	30
Pullback speed (mm/s)	20	0.5–1.0
Lines per frame	500	256
Axial resolution (μm)	12–15	150
Maximum scan diameter (mm)	9.7	10
Tissue penetration (mm)	2.0-3.5	10
Ease of use	++	++/+++
Need for contrast or Dextran	Yes	No
Detection of lipid core	+++	+ / ++
Detection of fibrous cap	+++	+
Detection of thrombus	++	+
Detection of calcium	++	+++

Dissection	+++	++
Malapposition	+++	++
Stent strut surface coverage	+++	+
