Table 1. Imaging modalities for assessing coronary calcium

	СТ	ICA	IVUS	ОСТ
Overall sensitivity	++	+		
•			+++	+++
			+++	+++
Circumferential arc	++	-	+++	+++
Depth / thickness		+	+	+++
	+			
Longitudinal extension	++	+	+++	+++
Non-invasiveness	+++	+	-	-
Specific advantages	Useful for preprocedural	Standard study (availability)	Guidance for calcium-	Guidance for calcium-
	planning of CT		directed therapies	directed therapies
Specific disadvantages	Additional contrast and	Definition affected by body	Calcium thickness can be	Additional contrast
-P 010000101100000	radiation.	mass.	challenging to assess.	required.
	Blooming artefact may over	Calcium often	3.10.10	Coronary ostia challenging
	estimate calcium extent	underestimated.		to assess.

Legend. Summary of sensitivity of available imaging modalities for the assessment of coronary calcium and their specific advantages and disadvantages.

Table 2. Comparison of Outcomes of Adjunctive Technologies

Technology	Procedural	Dissection	Perforation	Slow Reflow	MACE	TVR	Specific
	Success						Considerations
RA <sup>59–67</sup>	92.5-100%	1.7-5.9%	0.5-2.0%	0-2.6%	6-30.1%	2.8-35.7%	-
					(6-49 months)	(6-49 months)	
OA 74 76 77	97.7-98%	0.7-12%	0.7-1.8%	0-0.7%	1.7-16.4%	0.7%	-
					(1-12 months)	(12 months)	
LA <sup>92</sup> <sup>93</sup> <sup>94</sup>	77.2%	4.3-6.9%	1.3-1.7%	-	4.3-36.8%	46%	Thermal
					(12 months)	(12 months)	overheating
IVL <sup>95 96</sup>	95%	0%	0%	0%	5%	0%	-
					(6 months)	(6 months)	

Legend. Summary of complications and outcomes of adjunctive calcium modification technologies.

Table 3. Comparison of Characteristics of Adjunctive Therapies for Calcium Modification

Technology	Compatibility	Guidewire	Ease of Use	Superficial Ca+	Deep Ca+	Fibro- calcific	Ca+ Nodule	Crossability
RA	6 Fr. 1.25- 1.5mm	Rotawire	-	+++	-	+	+	+++
	7Fr. 1.75- 2.0mm							
OA	6 Fr.	Viperwire	-	+++	++	+	++	+
LA	7 Fr.	Any	++	++	+	+++	_	+
	711.	Ally	111	TT	T	****	-	7
IVL	6 Fr.	Any	+++	+++	+++	+	+	+

Legend. Summary of characteristics and procedural considerations of adjunctive therapies for calcium modification