

PROTOCOL FOR LONG-TERM SURVEILLANCE OF CARDIAC ALLOGRAFT VASCULOPATHY

PROTOCOL

Time Post-Tx	SCA	IVUS	DSE
6 weeks	If no donor SCA performed (male donor ≥ 40 or female donor ≥ 50)	If SCA abnormal	No
1 year	Yes	Yes	Yes
2 year	If DSE abnormal	Only if IMT ≥ 0.3 mm at 1 year	Yes
3 to 10 years	If DSE abnormal	Only if IMT progression of ≥ 0.5 mm at previous year	Yes
> 10 years	Only if indicated	Only if indicated	Only if indicated

TREATMENT OPTIONS

Abnormal SCA	IMT < 0.3 mm	IMT ≥ 0.3 mm	Subsequent IVUS - IMT unchanged	Subsequent IVUS - IMT progression ≥ 0.5 mm
SCA and IVUS annually depending on severity Assess individually, consider surgery and tailor immunosuppression	DSE yearly (to 10 years) Continue current therapy	Repeat IVUS at year 2 Tailor immunosuppression	Continue current therapy	Tailor immunosuppression

DSE = Dobutamine Stress Echocardiogram, SCA = selective coronary angiogram

IVUS = Intravascular ultrasound

IMT = Intimal/medial thickness

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