

**2012 CCS Guidelines Update on The Use of Cardiac Resynchronization Therapy: Implementation**  
**Disclosure of Conflict of Interests**

Member	Affiliations with commercial organizations within the previous two years that may have a direct or indirect connection to the content of this guideline					
	Consulting fees/ Honoraria	Officer, director, or in any other fiduciary role	Clinical Trials	Ownership/ partnership/ principal	Intellectual property rights	Other financial benefit
<b>Primary Panel</b>						
Derek V Exner	Boston Scientific, Medtronic, St. Jude Medical, Biotronik	HeartForce Medical - Medical Advisory Board	Boston Scientific, Medtronic, St. Jude Medical, Heart Force Medical	None	None	None
Ratika Parkash	Medtronic	None	Boehringer Ingelheim, Medtronic, St. Jude Medical	None	None	None
Jamil Bashir	None	None	None	None	None	None
David H Birnie	None	None	Boston Scientific, Medtronic	None	None	None
Jafna Cox	Boehringer Ingelheim, St Jude Medical	None	None	None	None	None
Vidal Essebag	Boston Scientific, Medtronic, St. Jude Medical	None	Medtronic, St. Jude Medical	None	None	None
Padma Kaul	None	None	None	None	None	None
Éric Larose	None	None	None	None	None	None
Aaron Low	Boehringer Ingelheim, Medtronic, Servier	None	None	None	None	None
Gordon Moe	Otsuka	Yes	None	None	None	None
François Philippon	Boston Scientific, Medtronic	None	Boston Scientific St. Jude Medical, Medtronic, Sorin	None	None	None
Damian Redfearn	None	None	None	None	None	None
Miriam Shanks	AstraZeneca, Servier	None	None	None	None	None
Elizabeth Swiggum	Medtronic	None	Medtronic, Novartis	None	None	None
Anthony S Tang	None disclosed					
Bernard Thibault	St. Jude Medical, Sorin	None	None	None	None	None
Raymond Yee	Medtronic, Sorin	None	Medtronic	None	None	None

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Secondary Panel						
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J Malcolm Arnold	AstraZeneca, Boehringer Ingelheim, Bristol-Myers Squibb, Medtronic, Novartis	Abbott Vascular, AstraZeneca, Boehringer Ingelheim, Medtronic, Novartis	None	None	None	None
Jeff Healey	Boehringer Ingelheim, St Jude Medical	None	None	None	None	None
Lyall A Higginson	None	None	None	None	None	None
Jonathan Howlett	Abbott Vascular, AMGEN, AstraZeneca, Bayer, Boehringer Ingelheim, Medtronic, Merck, Novartis, Pfizer, Servier, Schering plough, Governments of Alberta, Canada and US	None	AMGEN, AstraZeneca, Medtronic, Novartis, Servier, CVRx	None	None	None
François Marcotte	None	None	None	None	None	None
Finlay McAlister	St. Jude Medical	None	None	None	None	None
Robert McKelvie	Pfizer	None	Pfizer	None	None	None
John Sapp	Boehringer Ingelheim, Medtronic, St Jude Medical	None	Forest Medical	None	None	None
Mario Talajic	Bayer, Medtronic, Boehringer Ingelheim, Bristol-Myers Squibb, Pfizer, sanofi-aventis	None	Boehringer Ingelheim, Boston Scientific, Medtronic, Bristol-Myers Squibb, Pfizer, Servier, St. Jude Medical	None	None	None
Michel White	Astellas, Otsuka	None	Novartis, Pfizer	None	None	None