

Mail Stop 6010

January 31, 2006

Mr. John C. Heinmiller  
Chief Financial Officer  
St. Jude Medical, Inc.  
One Lillehei Plaza  
St. Paul, MN 55117

Re: St. Jude Medical, Inc.  
Form 10-K for the Year Ended December 31, 2004  
Forms 10-Q for the Quarters Ended March 31, 2005, June 30, 2005  
and  
September 30, 2005  
File No. 001-12441

Dear Mr. Heinmiller:

We have completed our review of your Form 10-K and related filings and do not, at this time, have any further comments.

Sincerely,

Martin F. James  
Senior Assistant Chief  
Accountant  
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