



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

May 4, 2011

Via Facsimile and U.S. Mail

Mr. Steven L. Relis
Chief Financial Officer
Sanomedics International Holdings, Inc.
80 SW 8th Street, Suite 2180
Miami, Florida 33130

**Re: Sanomedics International Holdings, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2010
Filed April 14, 2011
File No. 000-54167**

Dear Mr. Relis:

We have reviewed your response letter dated April 29, 2011 and have the following comment. In our comment, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter within ten business days by providing the requested information or by advising us when you will provide the requested response. If you do not believe our comment applies to your facts and circumstances, please tell us why in your response.

After reviewing the information you provide in response to this comment, we may have additional comments.

General

1. Please provide the three acknowledgements included at the end of our April 26, 2011 comment letter. For your reference, we have repeated the acknowledgements below. Please note that the acknowledgements must be provided by an authorized officer of the Company.

Mr. Steven L. Relis
Sanomedics International Holdings, Inc.
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We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable Exchange Act rules require. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In responding to our comments, please provide a written statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; and
- the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

You may contact Tara Harkins, Staff Accountant, at (202) 551-3639 or me at (202) 551-3643 if you have questions regarding these comments. In this regard, do not hesitate to contact Martin James, Senior Assistant Chief Accountant, at (202) 551-3671.

Sincerely,

Kevin L. Vaughn
Accounting Branch Chief