

Mail Stop 4720

October 28, 2009

Michael L. Kranda
Chief Executive Officer
Anesiva, Inc.
650 Gateway Boulevard
South San Francisco, California 94080

Re: Anesiva, Inc.
Preliminary Proxy Statement on Form PREM14A
Filed August 11, 2009
File No. 000-50573

Dear Mr. Kranda:

We have completed our review of your Proxy Statement on Form PREM14A and your related filings and have no further comments at this time.

Sincerely,

Jeffrey Riedler
Assistant Director

cc: Matthew Hemington
Cooley Godward Kronish LLP
Five Palo Alto Square
3000 El Camino Real
Palo Alto, CA 94306-2155