

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

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of the Securities
Exchange Act of 1934 (Amendment No. 1)

Filed by the Registrant Filed by a Party other than Registrant

Check the appropriate box:

- Preliminary Proxy Statement
 Confidential, for Use of the Commission Only (as permitted by Rule
14a-6(e)(2))
 Definitive Proxy Statement
 Definitive Additional Materials
 Soliciting Material Pursuant to Section 240.14a-12

Integrated Surgical Systems, Inc.

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- No fee required
 Fee computed on table below per Exchange Act Rules 14a-6(I)(4) and 0-11.

1) Title of each class of securities to which transaction applies:

2) Aggregate number of securities to which transaction applies:

3) Per unit price or other underlying value of transaction computed
pursuant to Exchange Act Rule 0-11 (set forth the amount on which the
filing fee is calculated and state how it was determined):

4) Proposed maximum aggregate value of transaction:

5) Total fee paid:

 Fee paid previously with preliminary materials.

Check box if any part of the fee is offset as provided by Exchange Act Rule
0-11(a)(2) and identify the filing for which the offsetting fee was paid
previously. Identify the previous filing by registration statement number,
or the Form or Schedule and the date of its filing.

1) Amount Previously Paid:

2) Form, Schedule or Registration Statement No.:

3) Filing Party:

4) Date Filed:

Integrated Surgical Systems, Inc.
1433 N. Market Blvd., Suite 1
Sacramento, California 95834

June 11, 2007

Dear Shareholder:

As you know, we will hold our Annual Meeting of Stockholders on June 28, 2007. Accompanying this letter is a supplement to the May 25, 2007 Proxy Statement that we previously sent you concerning the Annual Meeting. Please note that this supplement should be read in conjunction with the Proxy Statement and the Notice of Annual Meeting of Stockholders that we distributed with the Proxy Statement. If you would like another copy of the Proxy Statement, you may obtain a copy free of charge by calling us at (916) 285-9943.

You may vote or change your vote as described on page 1 of the Proxy Statement. Please note that the proxy card included in the original Proxy Statement remains unchanged. Any proxies that we received in response to the original solicitation made pursuant to the Proxy Statement and that are not revoked will remain valid for the purposes stated for the Annual Meeting. Any proxy previously submitted may be revoked by a subsequently delivered proxy. To vote by proxy, please complete, sign, date and return the proxy card that accompanied the original Proxy Statement.

Sincerely,

/s/ Ramesh C. Trivedi

Ramesh C. Trivedi
Chairman and Chief Executive Officer

Integrated Surgical Systems, Inc.
1433 N. Market Blvd., Suite 1
Sacramento, California 95834

SUPPLEMENT TO PROXY STATEMENT DATED MAY 25, 2007

Our Board of Directors has approved the payment of certain retention bonuses to our employees to be paid contemporaneously with or subsequent to the date of closing of the sale of substantially all of our assets to Novatrix Biomedical, Inc. ("Novatrix").

The retention bonuses will be paid from the proceeds of the sale of our assets to Novatrix. Ramesh C. Trivedi shall receive a retention bonus equal to five percent of the cash received at closing and our remaining officers and key employees shall receive proportional retention bonuses equal to an aggregate of up to seven percent of the cash received at closing.

The Date of this Supplement is June 11, 2007.