

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-Q/A  
(Amendment No. 1)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended August 31, 2012

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from to

Commission file number 0-50761

**AngioDynamics, Inc.**

(Exact name of registrant as specified in its charter)

Delaware  
(State or other jurisdiction of  
incorporation or organization)

14 Plaza Drive Latham, New York  
(Address of principal executive offices)

11-3146460  
(I.R.S. Employer  
Identification No.)

12110  
(Zip Code)

(518) 795-1400

Registrant's telephone number, including area code

Securities registered pursuant to Section 12(b) of the Act:

<u>Title of each class</u>	<u>Name of each exchange on which registered</u>
Common stock, par value \$.01	NASDAQ Global Select Market
Preferred Stock Purchase Rights	NASDAQ Global Select Market

Securities registered pursuant to Section 12(g) of the Act:

None  
(Title of Class)

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Act. Yes  No

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See the definitions of "large accelerated filer", "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer   
Non-accelerated filer  Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

Indicate the number of shares outstanding of each of the Issuer's classes of common stock, as of the latest practicable date.

<u>Class</u>	<u>Outstanding as of October 2, 2012</u>
Common Stock, par value \$.01	34,968,539 shares

## EXPLANATORY NOTE

The purpose of this Amendment No. 1 on Form 10-Q/A to AngioDynamics, Inc.'s Quarterly Report on Form 10-Q for the period ended August 31, 2012, filed with the Securities and Exchange Commission on October 10, 2012 (the "Form 10-Q"), is solely to furnish Exhibit 101 XBRL (eXtensible Business Reporting Language) interactive data files within the 30-day grace period provided by Rule 405 of Regulation S-T applicable for the first quarterly period in which detailed footnote tagging is required.

No other changes have been made to the Form 10-Q, and this Form 10-Q/A does not reflect any subsequent events occurring after the original filing date of the Form 10-Q or modify or update any other disclosures made in the Form 10-Q.

Pursuant to Rule 406T of Regulation S-T, the interactive data files contained in Exhibit 101 hereto are deemed not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, as amended, are deemed not filed for purposes of Section 18 of the Securities and Exchange Act of 1934, as amended, and otherwise are not subject to liability under those sections.

### Item 6. Exhibits.

<u>No.</u>	<u>Description</u>
31.1*	Certification pursuant to Rule 13a-14(a) or 15d-14 under the Securities Exchange Act of 1934.
31.2*	Certification pursuant to Rule 13a-14(a) or 15d-14 under the Securities Exchange Act of 1934.
32.1*	Certification of Chief Executive Officer pursuant to Title 18, United States Code, Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
32.2*	Certification of Chief Financial Officer pursuant to Title 18, United States Code, Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
101.INS	XBRL Instance Document
101.SCH	XBRL Schema Document
101.CAL	XBRL Calculation Linkbase Documents
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	XBRL Labels Linkbase Documents
101.PRE	XBRL Presentation Linkbase Documents

\* Previously filed in the Quarterly Report on Form 10-Q of AngioDynamics, Inc. for the quarter ended August 31, 2012 filed on October 10, 2012.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

ANGIODYNAMICS, INC.  
(Registrant)

Date: November 9, 2012

/s/ JOSEPH M. DEVIVO

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**Joseph M. DeVivo, President,  
Chief Executive Officer  
(Principal Executive Officer)**

Date: November 9, 2012

/s/ D. JOSEPH GERSUK

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**D. Joseph Gersuk, Executive Vice President,  
Chief Financial Officer  
(Principal Financial and Chief Accounting Officer)**

## EXHIBIT INDEX

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