UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): January 4, 2011

AngioDynamics, Inc.

(Exact Name of Registrant as Specified in Charter)

Delaware

000-50761

11-3146460

(State or Other Jurisdiction of Incorporation) (Commission File Number) (IRS Employer Identification No.)

603 Queensbury Avenue, Queensbury, New York 12804

(Address of Principal Executive Offices) (Zip Code)

(518) 798-1215

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2 (b))

o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4 (c))

Item 2.02 – Results of Operations and Financial Condition.

On January 4, 2011, AngioDynamics, Inc. (the "Company") issued a press release announcing financial results for the fiscal second quarter ended November 30, 2010.

The information set forth in Item 2.02 of this Form 8-K (including Exhibit 99.1) shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

Forward-Looking Statements

This document and its attachments include "forward-looking statements" intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. Investors can identify these statements by the fact that they do not relate strictly to historical or current facts. These statements contain words such as "expect," "reaffirm," "anticipate," "plan," "believe," "estimate," "may," "will," "predict," "project," "might," "intend," "potential," "could," "would," "should," "optimistic," "seek," "continue," "pursue," or "our future success depends," or the negative or other variations thereof or comparable terminology, are intended to identify such forward-looking statements. In particular, they include statements relating to, among other things, future actions, strategies, future performance and futur e financial results of the Company. These forward-looking statements are based on current expectations and projections about future events.

Investors are cautioned that forward-looking statements are not guarantees of future performance or results and involve risks and uncertainties that cannot be predicted or quantified and, consequently, the actual performance or results of the Company may differ materially from those expressed or implied by such forward-looking statements. Such risks and uncertainties include, but are not limited to, the factors described from time to time in the Company's reports filed with the SEC, including the Company's Form 10-K for the fiscal year ended May 31, 2010, financial community and rating agency perceptions of the Company; the effects of economic, credit and capital market conditions on the economy in general, and on medical device companies in particular; domestic and foreign health care reforms and governmental laws and regulations; third-party relations and approvals, technological advances and patents attained by competitors; and challenges inherent in new product development, including obtaining regulatory approvals. In addition to the matters described above, the ability of the Company to develop its products, future actions by the FDA or other regulatory agencies, results of pending or future clinical trials, the outcome of pending litigation, overall economic conditions, general market conditions, market acceptance, foreign currency exchange rate fluctuations, and the effects on pricing from group purchasing organizations and competition and the ability of the Company to integrate purchased businesses, may affect the actual results achieved by the Company.

Any forward-looking statements are made pursuant to the Private Securities Litigation Reform Act of 1995 and, as such, speak only as of the date made. The Company disclaims any obligation to update the forward-looking statements. Investors are cautioned not to place undue reliance on these forward-looking statements which speak only as of the date stated, or if no date is stated, as of the date of this document.

Item 9.01 – Financial Statements and Exhibits.

(d) *Exhibits*.

Exhibit No. Description

99.1 Press Release dated January 4, 2011.

SIGNATURE

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 hereunto duly authorized.

ANGIODYNAMICS, INC. (Registrant)

Date: January 4, 2011

By: /s/ D. Joseph Gersuk

D. Joseph Gersuk Chief Financial Officer

EXHIBIT INDEX

Exhibit No. Description

99.1 Press Release dated January 4, 2011.

ANGIODYNAMICS*

FOR IMMEDIATE RELEASE

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AngioDynamics Reports Fiscal 2011 Second Quarter Financial Results

- Net Sales of \$53.4 Million, International Sales Rise 12%
- Net Income of \$3.3 Million, or \$0.13 EPS
- Gross Margin of 59.1%
- Operating Cash Flow of \$9.9 Million
- Reiterates Fiscal Year 2011 Guidance
- Conference Call Today at 4:30 p.m. Eastern Time

ALBANY, N.Y. (January 4, 2011) — AngioDynamics (NASDAQ: ANGO), a leading provider of innovative medical devices for the minimally-invasive treatment of cancer and peripheral vascular disease, today reported financial results for the fiscal 2011 second quarter ended November 30, 2010.

Net sales in the second quarter were \$53.4 million, virtually identical to the \$53.5 million reported in the prior year period. Oncology sales increased 16% to \$15.9 million from the prior year, and included \$1.6 million in NanoKnife[®] System sales, up from \$1.1 million in the fiscal 2011 first quarter. Vascular sales were \$37.5 million, a decrease of 6% from the second quarter a year ago. Effective for the fiscal year beginning June 1, 2010, Vascular sales include both Peripheral Vascular and Access product lines, for which the Company combined the respective sales forces. International sales in the second quarter grew 12% to \$6.7 million from the prior year period.

Gross margin was 59.1% in the second quarter, compared with 59.1% for the prior year period and 58.3% in the first quarter of fiscal 2011. The quarter-overquarter increase is primarily due to the impact of programs to reduce material costs and increase manufacturing efficiencies. Operating income increased 1% to \$5.4 million in the quarter compared with \$5.3 million a year ago. Net income in the second quarter increased 5% to \$3.3 million, or \$0.13 per share, compared with \$3.1 million, or \$0.13 per share, a year ago. AngioDynamics generated cash flow from operations of \$9.9 million during the second quarter. At November 30, 2010, cash and investments totaled \$110.6 million, and long-term debt was \$6.4 million.

For the six months ended November 30, 2010, net sales were \$104.9 million, a 1% increase over the \$103.6 million reported for the prior year period. Gross margin for the six months ended November 30, 2010 was 58.7% compared with 59.6% for the six months ended November 30, 2009. For the six months ended November 30, 2010, operating income of \$8.9 million and net income of \$5.2 million, or \$0.21 per share, were the same as reported for the prior year period.

"While we continued to face a challenging operating environment during our fiscal second quarter, we further invested in our R&D, international business and NanoKnife programs to build for future growth," said Jan Keltjens, President and Chief Executive Officer. "We grew international sales 12%, our Oncology business posted strong growth and NanoKnife® System sales were up 42% over the fiscal first quarter. Our efforts to increase gross margins began to generate initial results and led to a sequential 80 basis point improvement. As we complete the transition to a strong, integrated Vascular sales force and build on the momentum from our international and Oncology product sales, we are optimistic about improved results in the second half of fiscal 2011. We remain focused on del ivering profitability by tightly managing expenses while generating strong operating cash flow and driving sustained long-term growth through investment in innovative products."

Highlights of the quarter, and more recent activities, include the following:

- Strong clinician response to AngioDynamics' NanoKnife System commercial sales efforts continued. An additional 90 patients were treated since October 1, 2010. A total of 412 patients have been treated to date with the NanoKnife System. NanoKnife System sales in the second quarter totaled \$1.6 million. Included in this total were system sales to customers in Taiwan and Hong Kong, which represent the first sales of the NanoKnife System in Asia.
- The Company expanded its Morpheus[®] Smart PICC product line with the launch of a 5 French / dual lumen IR Kit, which brought the number of new products launched to date during fiscal 2011 to four. The Company remains on track for a total of 10 launches in this fiscal year.
- AngioDynamics entered into contracts with two leading hospital group purchasing organizations covering certain vascular products.
- The Company reached a favorable settlement of patent infringement litigation with Vascular Solutions that settles and resolves the lawsuit between the companies filed in July 2009.

Fiscal 2011 Guidance

The Company reiterated its outlook for fiscal year 2011 as follows:

- Net sales in the range of \$220.0 million to \$225.0 million, an increase of 2% to 4% over fiscal 2010 net sales
- Gross margin in the range of 58% to 59% of net sales
- GAAP operating income in the range of \$20.5 million to \$22.0 million
- EBITDA in the range of \$33.0 million to \$34.5 million
- GAAP EPS in the range of \$0.47 to \$0.50, inclusive of a \$0.21 to \$0.23 per share negative impact from the ongoing investment in the NanoKnife® program

Conference Call

AngioDynamics management will host a conference call to discuss its second quarter results today beginning at 4:30 p.m. Eastern Time. To participate in the live call by telephone, please dial 1 (877) 941-6009.

In addition, individuals can listen to the live call and the replay on the Internet by visiting the investor relations portion of the AngioDynamics Web site at <u>http://investors.angiodynamics.com</u>. To listen to the live call, please go to the Web site 15 minutes prior to its start to register, download and install the necessary audio software.

Use of Non-GAAP Measures

Management uses non-GAAP measures to establish operational goals, and believes that non-GAAP measures may assist investors in analyzing the underlying trends in AngioDynamics' business over time. Investors should consider these non-GAAP measures in addition to, not as a substitute for or as superior to, financial reporting measures prepared in accordance with GAAP. In this news release, AngioDynamics has reported non-GAAP EBITDA (income before interest, taxes, depreciation and amortization). Management uses this measure in its internal analysis and review of operational performance. Management believes that this measure provides investors with useful information in comparing AngioDynamics' performance over different periods. By using this non-GAAP measure, management believes that investors get a better picture of the performance of AngioDynamics' underlying business. Management encourages investors to review AngioDynamics' financial results prepared in accordance with GAAP to understand AngioDynamics' performance taking into account all relevant factors, including those that may only occur from time to time but have a material impact on AngioDynamics' financial results. Please see the tables that follow for a reconciliation of Operating Income to non-GAAP measures.

About AngioDynamics

AngioDynamics, Inc. is a leading provider of innovative medical devices used by interventional radiologists, surgeons and other physicians for the minimallyinvasive treatment of cancer and peripheral vascular disease. AngioDynamics' diverse product lines include market-leading radiofrequency and irreversible electroporation ablation systems, vascular access products, angiographic products and accessories, dialysis products, angioplasty products, drainage products, thrombolytic products, embolization products and venous products. More information is available at <u>www.angiodynamics.com</u>.

Safe Harbor

This release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements regarding AngioDynamics' expected future financial position, results of operations, cash flows, business strategy, budgets, projected costs, capital expenditures, products, competitive positions, growth opportunities, plans and objectives of management for future operations, as well as statements that include the words such as "expects," "reaffirms" "intends," "anticipates," "plans," "believes," "seeks," "estimates," "optimistic," or variations of such words and similar expressions, are forward-looking statements. These forward looking statements are not guarantees of future performance and are subject to risks and uncertainties. Investors are cautioned that actual events or results may differ from AngioDynamics' expectations. Factors that may affect the actual results achieved by AngioDynamics include, without limitation, the ability of AngioDynamics to develop its existing and new products, future actions by the FDA or other regulatory agencies, results of pending or future clinical trials, overall economic conditions, the results of on-going litigation, general market conditions, market acceptance, foreign currency exchange rate fluctuations, the effects on pricing from group purchasing organizations and competition, the ability of AngioDynamics to integrate purchased businesses, as well as the risk factors listed from time to time in AngioDynamics' SEC filings, including but not limited to its Annual Report on Form 10-K for the year ended May 31, 2010. AngioDynamics does not assume any obligation to publicly update or revise any forward-looking statements for any reason.

In the United States, NanoKnife has been cleared by the FDA for use in the surgical ablation of soft tissue. This document may discuss the use of NanoKnife for specific clinical indications for which it is not cleared in the United States at this time.

ANGIODYNAMICS, INC. AND SUBSIDIARIES CONSOLIDATED INCOME STATEMENTS

(in thousands, except per share data)

		Three months ended					Six months ended					
]	Nov, 30 2010		Nov, 30	Nov, 30			Nov, 30				
				2009		2010		2009				
		(unaudited)				(unaud		lited)				
Net sales	\$	53,372	\$	53,459	\$	104,879	\$	103,551				
Cost of sales		21,836		21,852		43,323		41,812				
Gross profit		31,536		31,607		61,556		61,739				
% of net sales		59.1%		59.1%		58.7%		59.6%				
Operating expenses												
Research and development		5,259		4,763		10,501		9,612				
Sales and marketing		13,793		15,042		28,237		30,401				
General and administrative		4,173		4,031		8,760		8,108				
Non-recurring costs		772		-		772		-				
Amortization of intangibles		2,142		2,451		4,408		4,723				
Total operating expenses		26,139		26,287		52,678		52,844				
Operating income		5,397		5,320		8,878		8,895				
Other income (expense), net		(262)		(290)		(790)		(455)				
Income before income taxes		5,135		5,030		8,088		8,440				
Provision for income taxes		1,856		1,901		2,921		3,200				
Net income	\$	3,279	\$	3,129	\$	5,167	\$	5,240				
Earnings per common share												
Basic	\$	0.13	\$	0.13	\$	0.21	\$	0.21				
Diluted	\$	0.13	\$	0.13	\$	0.21	\$	0.21				
Weighted average common shares												
Basic		24,845		24,518		24,799		24,472				
Diluted		25,094		24,729		25,067		24,662				

ANGIODYNAMICS, INC. AND SUBSIDIARIES CONSOLIDATED BALANCE SHEETS (in thousands)

Assets	Nov, 30 2010 (unaudited)			May 31, 2010 (2)	
Current Assets					
Cash and cash equivalents	\$	27,132	\$	58,763	
Marketable securities		83,471		41,311	
Total cash and investments		110,603		100,074	
Receivables, net		25,762		29,838	
Inventories, net		32,731		29,216	
Deferred income taxes		2,997		5,281	
Prepaid income taxes		3,639		5,525	
Prepaid expenses and other		1,714		1,426	
Total current assets		177,446		171,360	
Property, plant and equipment, net		24,102		24,193	
Intangible assets, net		53,948		58,352	
Goodwill		161,964		161,974	
Deferred income taxes		2,598		2,527	
Other non-current assets		5,925		5,519	
Total Assets	\$	425,983	\$	423,925	
Liabilities and Stockholders' Equity					
Current portion of long-term debt	\$	270	\$	260	
Other current liabilities	+	19,851	-	25,766	
Long-term debt, net of current portion		6,410		6,550	
Total Liabilities		26,531		32,576	
Stockholders' equity		399,452		391,349	
Total Liabilities and Stockholders' Equity	\$	425,983	\$	423,925	
Total Endomics and otoeknoticity Equity	Ψ		Ψ		
Shares outstanding		24,852		24,747	

(2) Derived from audited financial statements

ANGIODYNAMICS, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF CASH FLOWS (in thousands)

	Six mor	ths ended
	Nov, 30 2010	Nov, 30 2009
	(unaudited)	(unaudited)
Cash flows from operating activities:		
Net income	\$ 5,167	5,240
Depreciation and amortization	5,984	6,219
Tax effect of exercise of stock options	(29)) 31
Deferred income taxes	2,285	3,126
Stock-based compensation	2,254	2,413
Other	34	(324)
Changes in operating assets and liabilities		
Receivables	4,157	1,816
Inventories	(3,477)	
Accounts payable and accrued liabilities	(5,944)	
Other	1,195	931
Net cash provided by operating activities	11,626	12,381
Cash flows from investing activities:		
Additions to property, plant and equipment	(1,489)) (1,951)
Acquisition of intangible assets and businesses	-	(5,350)
Purchases, sales and maturities of marketable securities, net	(42,394)) 2,431
Net cash provided by (used in) investing activities	(43,883)) (4,870)
Cash flows from financing activities:		
Repayment of long-term debt	(130)) (145)
Proceeds from exercise of stock options and ESPP	718	971
Net cash provided by financing activities	588	826
Effect of exchange rate changes on cash	38	10
Increase (Decrease) in cash and cash equivalents	(31,631)	8,347
Cash and cash equivalents		
Beginning of period	58,763	27,909
End of period	\$ 27,132	\$ 36,256
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ANGIODYNAMICS, INC. AND SUBSIDIARIES NET SALES BY PRODUCT CATEGORY AND BY GEOGRAPHY (in thousands)

	Three months ended				Six months ended						
	Nov, 30 2010		Nov, 30 2009		Nov, 30 2010		Nov, 30 2009				
	(unaudited)							(unaudited)			
Net Sales by Product Category Vascular											
Peripheral Vascular Access	\$	22,004 15,516	\$	23,167 16,677	\$	42,705 30,729	\$	44,226 32,908			
Total Vascular Oncology		37,520 15,852		39,844 13,615		73,434 31,445		77,134 26,417			
Total	\$	53,372	\$	53,459	\$	104,879	\$	103,551			
Net Sales by Geography United States International Total	\$	46,703 6,669 53,372	\$ \$	47,488 5,971 53,459	\$ \$	92,176 12,703 104,879	\$ \$	92,401 11,150 103,551			

ANGIODYNAMICS, INC. AND SUBSIDIARIES CONSOLIDATED INCOME STATEMENTS

(in thousands, except per share data)

Reconciliation of Operating Income to non-GAAP EBITDA:

	Three months ended				Six months ended			
	Nov, 30 2010		Nov, 30 2009		Nov, 30 2010]	Nov, 30 2009
		(unaudited)			(unaudited)			
Operating income	\$	5,397	\$	5,320	\$	8,878	\$	8,895
Amortization of intangibles Depreciation		2,142 887		2,451 758		4,408 1,576		4,723 1,496
EBITDA	\$	8,426	\$	8,529	\$	14,862	\$	15,114
EBITDA per common share								
Basic	\$	0.34	\$	0.35	\$	0.60	\$	0.62
Diluted	\$	0.34	\$	0.34	\$	0.59	\$	0.61
Weighted average common shares								
Basic		24,845		24,518		24,799		24,472
Diluted		25,094		24,729		25,067		24,662