As of March 31, 2016

**Industry: Cardiovascular Equipment** 

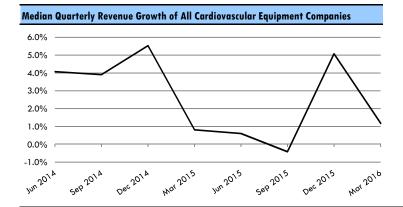


#### **Industry Summary**

Cogent Valuation identified Cardiovascular Equipment publicly traded companies, IPOs, and recent M&A transactions within the Cardiovascular Equipment industry, which provides a basis for market and transaction pricing that can be used by your firm in estimating market sentiment and its impact on your firm's value. Over the last year since March 31, 2015, the median 52-week share price return of the Cardiovascular Equipment industry was 6.6%. Between March 31, 2014 and March 31, 2016, the median EV/EBITDA multiple decreased from 14.8 to 11.5. However, the median price-to-earnings multiple increased from 20.7 to 40.6 over the same period.

Comparable Public Company Key Statis	tics											
Median 52-Week Return	6.6%	Median EV/Revenue Multiple				3.9x	Median Price/Earnings Multiple				40.6x	
Median 3-Year CAGR Return	24.5%	Median EV/EBITDA Multiple			11.5x	M	ultiple	33.2x				
Comparable Public Company Market Price Returns (As of March 31, 2016)												
	YTD	3 Month	1 Year	2 Year	3 Year	5 Year	2015	2014	2013	2012	2011	
ABIOMED, Inc.	5.0%	5.0%	32.5%	90.8%	71.9%	45.5%	137.2%	42.3%	99.0%	-27.2%	92.2%	
BioTelemetry, Inc.	0.0%	0.0%	32.0%	7.6%	68.8%	19.5%	16.5%	26.3%	248.2%	-3.8%	-49.4%	
Boston Scientific Corporation	2.0%	2.0%	6.0%	18.0%	34.0%	21.2%	39.2%	10.2%	109.8%	7.3%	-29.5%	
Cardiovascular Systems Inc.	-31.4%	-31.4%	-73.4%	-42.9%	-20.3%	-0.9%	-49.7%	-12.3%	173.2%	27.4%	-15.5%	
CR Bard Inc.	7.0%	7.0%	21.1%	17.0%	26.2%	15.3%	13.7%	24.4%	37.0%	14.3%	-6.8%	
CryoLife Inc.	-0.3%	-0.3%	3.7%	3.9%	21.4%	12.0%	-4.9%	2.2%	78.0%	29.8%	-11.4%	
Edwards Lifesciences Corp.	11.7%	11.7%	23.8%	54.2%	29.0%	15.2%	24.0%	93.7%	-27.1%	27.5%	-12.5%	
Medtronic plc	-2.5%	-2.5%	-3.8%	10.4%	16.9%	13.8%	6.5%	25.8%	39.9%	7.2%	3.1%	
St. Jude Medical Inc.	-11.0%	-11.0%	-15.9%	-8.3%	10.8%	1.4%	-5.0%	5.0%	71.4%	5.4%	-19.8%	
Teleflex Incorporated	19.4%	19.4%	29.9%	21.0%	22.9%	22.0%	14.5%	22.3%	31.6%	16.3%	13.9%	
The Spectranetics Corporation	-3.6%	-3.6%	-58.2%	-30.8%	-7.8%	25.3%	-56.4%	38.3%	69.3%	104.6%	39.9%	
Vascular Solutions Inc.	-5.4%	-5.4%	7.3%	11.4%	26.1%	24.4%	26.6%	17.3%	46.5%	42.0%	-5.0%	
Median of Industry Public Companies	-0.1%	-0.1%	6.6%	10.9%	24.5%	17.4%	14.1%	23.4%	70.3%	15.3%	-9.1%	

(Multiple year periods are calculated as the average annual return.)



70.0% -								
60.0% -								
40.0% -								
20.0% -								
0.0%	**********							
0.0%	<del></del>		<u>-                                    </u>	<del></del>	<del></del>	·- <del> ·</del> ·	<del></del>	<del></del>
0.0% -								
Nar 201 A	2014	2014	2014	, <sup>1,30,2</sup>	Jun 2015	2015	-c 2015	201t

Median Public Company Multiples of the	Median Public Company Multiples of the Cardiovascular Equipment Industry											
Date:	3/31/2014	6/30/2014	9/30/2014	12/31/2014	3/31/2015	6/30/2015	9/30/2015	12/31/2015	3/31/2016			
EV/Revenues Multiple	3.8x	3.7x	3.5x	3.9x	3.9x	4.2x	3.7x	3.8x	3.9x			
EV/EBITDA Multiple	14.8x	13.9x	13.5x	14.0x	15.7x	16.1x	15.8x	16.5x	11.5x			
Price/Earnings Multiple	20.7x	26.9x	19.6x	23.1x	26.7x	34.4x	35.4x	36.7x	40.6x			
EV/Gross Cash Flows Multiple	22.4x	23.5x	17.4x	12.1x	22.8x	28.6x	31.9x	16.3x	33.2x			

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As of March 31, 2016

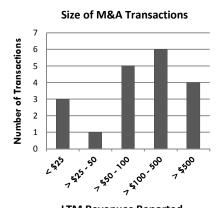
**Industry: Cardiovascular Equipment** 

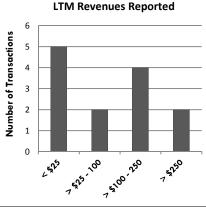


Industry Initi	al Public Offerings (dollars in millions, e	except share pr	ices)							
Offer Date	Company Name	Offer Price	Shares Offered	Amount Raised	<u>Total Assets</u>	<u>Debt</u>	LTM Revenues	LTM EBITDA	LTM Net Income	LTM Cash Flows
11/17/2011	Sphere Medical Holding PLC	\$1.46	15.1	\$22.1	\$1.5	\$3.8	\$0.0	(\$6.6)	(\$7.0)	(\$6.3)
4/18/2011	InspireMD, Inc.	\$1.50	7.0	\$10.4	\$4.4	\$1.5	\$4.9	(\$3.1)	(\$3.4)	(\$3.0)
2/10/2011	Kips Bay Medical, Inc.	\$8.00	2.1	\$16.5	\$7.2	\$0.0	\$0.1	(\$8.7)	(\$10.2)	(\$8.6)
3/18/2008	BioTelemetry, Inc.	\$18.00	4.5	\$81.0	\$103.0	\$2.8	\$73.0	\$5.2	(\$0.4)	\$8.9
6/14/2006	Volcano Corporation	\$8.00	6.8	\$54.4	\$62.0	\$31.1	\$95.3	(\$4.2)	(\$17.8)	\$0.5
12/12/2005	Lombard Medical Technologies Limited	\$2.82	14.4	\$47.0	\$11.8	\$7.4	\$0.1	\$0.0	(\$13.0)	\$1.3
8/5/2005	AtriCure, Inc.	\$12.00	4.0	\$48.0	\$12.4	\$0.0	\$22.9	(\$4.8)	(\$9.7)	(\$3.7)
8/11/2004	Stereotaxis Inc.	\$8.00	5.5	\$44.0	\$41.1	\$6.0	\$9.9	(\$29.8)	(\$30.5)	(\$29.2)
Median of Al	IPOs	nm	nm	\$45.5	\$12.1	\$3.3	\$7.4	(\$4.5)	(\$9.9)	(\$3.4)

nm: not meaningful

<u>Transaction Date</u>	<u>Target</u>	<u>Acquirer</u>	<u>Transaction Size</u>	% Bought	LTM Revenues	EV/Revenues
10/8/2015	Thoratec Corp.	SJM International, Inc.	\$3,683.3	100%	\$483.8	7.0x
9/28/2015	Lazarus Effect, Inc.	Medtronic plc	\$100.0	100%	N/A	N/A
7/30/2015	Altura Medical, Inc.	Lombard Medical, Inc.	\$49.0	100%	N/A	N/A
6/18/2015	CardioInsight Technologies	Medtronic plc	\$123.0	100%	N/A	N/A
5/30/2014	CardioMEMS, Inc.	St. Jude Medical Inc.	\$375.0	81%	N/A	N/A
2/20/2014	Oscor Inc., Lead Business	Sorin SpA	\$20.0	100%	N/A	N/A
12/1/2013	CircuLite, Inc.	Heartware International	\$401.8	100%	\$1.3	N/A
8/11/2013	Cardiocom	Medtronic	\$200.0	100%	\$50.0	4.0x
7/3/2012	eResearchTechnology	Genstar Capital	\$423.5	100%	\$193.7	1.9x
5/31/2012	SunTech Medical Group	Halma	\$57.0	100%	\$23.0	2.3x
4/25/2012	ZOLL Medical	Asahi Kasei	\$2,216.2	100%	\$544.3	3.9x
8/31/2011	Salient Surgical Technologies	Medtronic	\$452.0	91%	\$100.0	5.0x
8/31/2011	PEAK Surgical	Medtronic	\$96.0	81%	\$20.0	5.9x
12/21/2010	Clarient	GE Healthcare	\$597.9	100%	\$110.1	5.3x
12/21/2010	Biotel	CardioNet	\$11.6	100%	\$10.9	0.9x
12/3/2010	Cardiac Science	Opto Circuits	\$56.3	100%	\$145.9	0.3x
11/30/2010	Beijing Star Medical Devices	Lepu Medical Technology	\$22.6	100%	\$2.7	8.4x
11/17/2010	AGA Medical Holdings	St. Jude Medical	\$1,310.9	100%	\$209.7	6.2x
11/4/2010	International Technidyne	Nexus Dx	\$55.0	100%	N/A	N/A
Median of the	19 M&A Transaction Target	ts	\$123.0	100%	\$100.0	4.5x





#### Definitions of Financial Terms Used in this Quarterly Industry Update:

Enterprise Value (EV): Market Value of Equity + Market Value of Debt - Cash

Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA): Profitability metric sometimes also referred to as operating profit or operating earnings.

Gross Cash Flows: Net Income + Depreciation and Amortization Expense

Latest Twelve Months (LTM): Financial information is as of the latest twelve months through the date of this Quarterly Industry Update.

As of March 31, 2016

**Medical Device Industry Aggregates** 



Comparable Public Company Key Stati	stics										
Median 52-Week Return	-15.5%	М	edian EV/R	levenue Mu	ıltiple	2.3x Median Price/Earnings Multiple					34.0x
Median Year-to-Date Return	-10.1%	Μ	edian EV/E	BITDA Muli	riple	14.9x Median EV/Gross CF Multiple					
Comparable Public Company Market P	rice Returns (As o	f March 31,	2016)								
	YTD	3 Month	1 Year	2 Year	3 Year	5 Year	2015	2014	2013	2012	2011
ABIOMED, Inc.	5.0%	5.0%	32.5%	90.8%	71. <b>9</b> %	45.5%	137.2%	42.3%	99.0%	-27.2%	92.2%
AngioDynamics Inc.	1.2%	1.2%	-30.9%	-11.7%	2.4%	-4.1%	-36.1%	10.8%	<b>56</b> .1%	-25.8%	-3.6%
Atossa Genetics, Inc.	7.5%	7.5%	-80.9%	-54.9%	-66.0%	N/A	-77.6%	-38.4%	-40.5%	N/A	N/A
AtriCure, Inc.	-25.0%	-25.0%	-17.9%	-5.4%	28.6%	8.1%	12.4%	6.9%	170.7%	-37.8%	8.1%
Becton, Dickinson and Company	-1.5%	-1.5%	5.7%	13.9%	16.7%	13.8%	10.7%	25.9%	41.3%	4.6%	-11.6%
BIOLASE, Inc.	55.7%	55.7%	-35.1%	-26.3%	-30.5%	-21.9%	-68.0%	-6.6%	56.1%	-26.6%	52.8%
Boston Scientific Corporation	2.0%	2.0%	6.0%	18.0%	34.0%	21.2%	39.2%	10.2%	109.8%	7.3%	-29.5%
Cardiovascular Systems Inc.	-31.4%	-31.4%	-73.4%	-42.9%	-20.3%	-0.9%	-49.7%	-12.3%	173.2%	27.4%	-15.5%
CAS Medical Systems Inc.	-19.8%	-19.8%	6.4%	-19.1%	-9.3%	-14.8%	7.3%	-2.9%	-20.9%	23.0%	-45.4%
CryoLife Inc.	-0.3%	-0.3%	3.7%	3.9%	21.4%	12.0%	-4.9%	2.2%	78.0%	29.8%	-11.4%
Cutera, Inc.	-12.0%	-12.0%	-12.9%	0.3%	-4.7%	5.6%	19.8%	4.9%	13.1%	20.8%	-10.1%
Cytosorbents Corporation	-29.6%	-29.6%	-70.3%	-17.4%	10.1%	-16.6%	-44.0%	218.4%	-3.8%	-18.8%	14.4%
Daxor Corp.	5.6%	5.6%	41.0%	-1.4%	3.4%	-4.8%	8.9%	2.2%	-10.1%	-16.5%	-1.6%
Delcath Systems, Inc.	-42.5%	-42.5%	-70.1%	-74.7%	-78.5%	-70.0%	-58.7%	-70.3%	-79.3%	-59.7%	-68.9%
DexCom, Inc.	-17.1%	-17.1%	8.9%	28.1%	59.6%	34.3%	48.8%	55.5%	160.6%	46.0%	-31.8%
Endologix Inc.	-15.6%	-15.6%	-51.0%	-19.4%	-19.7%	4.3%	-35.3%	-12.3%	22.5%	24.0%	60.6%
EnteroMedics Inc.	-50.4%	-50.4%	-93.0%	-81.2%	-59.9%	-52.8%	-90.8%	-30.4%	-27.1%	64.7%	-44.8%
Escalon Medical Corp.	-24.7%	-24.7%	-40.8%	-27.8%	-9.3%	-8.1%	-34.2%	-18.3%	107.3%	-5.0%	-33.3%
Globus Medical, Inc.	-14.6%	-14.6%	-5.9%	-5.5%	17.4%	N/A	17.0%	17.8%	92.4%	N/A	N/A
Greatbatch, Inc.	-32.1%	-32.1%	-38.4%	-11.9%	6.1%	6.1%	6.5%	11.4%	90.4%	5.2%	-8.5%
Heartware International Inc.	-37.7%	-37.7%	-64.2%	-42.1%	-29.2%	-18.1%	-31.4%	-21.8%	11.9%	21.7%	-21.2%
InspireMD, Inc.	-42.6%	-42.6%	-84.2%	-87.1%	-72.8%	N/A	-88.7%	-68.4%	-36.9%	-55.3%	N/A
LDR Holding Corporation	1.5%	1.5%	-30.4%	-13.8%	N/A	N/A	-23.4%	38.9%	N/A	N/A	N/A
LeMaitre Vascular, Inc.	-10.0%	-10.0%	85.2%	38.7%	35.8%	17.9%	125.5%	-4.5%	39.5%	-3.0%	-12.6%
Merit Medical Systems, Inc.	-0.5%	-0.5%	-3.9%	13.7%	14.7%	3.3%	7.3%	10.1%	13.2%	3.9%	5.7%
MGC Diagnostics Corporation	-7.1%	-7.1%	-15.0%	-26.6%	-4.3%	4.2%	3.1%	-49.4%	114.6%	13.0%	0.4%
NeuroMetrix Inc.	-7.6%	-7.6%	-72.8%	-55.8%	-43.0%	-52.4%	-74.6%	-33.2%	12.5%	-65.4%	-69.4%
NuVasive, Inc.	-10.1%	-10.1%	5.8%	12.5%	31.7%	14.0%	14.7%	45.9%	109.1%	22.8%	-50.9%
Nxstage Medical, Inc.	-31.6%	-31.6%	-13.4%	8.5%	9.9%	-7.4%	22.2%	79.3%	-11.1%	-36.7%	-28.5%
St. Jude Medical Inc.	-11.0%	-11.0%	-15.9%	-8.3%	10.8%	1.4%	-5.0%	5.0%	71.4%	5.4%	-19.8%
Stryker Corporation	15.4%	15.4%	16.3%	14.8%	18.0%	12.0%	-1.5%	25.5%	37.1%	10.3%	-7.4%
Sunshine Heart Inc.	-37.8%	-37.8%	-80.2%	-62.1%	-48.4%	N/A	-68.2%	-56.3%	59.4%	N/A	N/A
Tandem Diabetes Care, Inc.	-26.2%	-26.2%	-31.0%	-37.2%	N/A	N/A	-7.0%	-50.7%	N/A	N/A	N/A
The Cooper Companies Inc.	14.7%	14.7%	-17.8%	5.9%	12.6%	17.3%	-17.2%	30.9%	33.9%	31.1%	25.2%
TransEnterix, Inc.	71.4%	71.4%	45.1%	-32.6%	21.8%	-5.4%	-14.8%	-64.7%	650.0%	-63.3%	-64.7%
Utah Medical Products Inc.	6.8%	6.8%	4.5%	4.0%	8.6%	16.7%	-2.5%	5.1%	58.6%	33.5%	0.4%
Varian Medical Systems, Inc.	-1.0%	-1.0%	-15.0%	-2.4%	3.6%	3.4%	-6.6%	11.4%	10.6%	4.6%	-3.1%
Vascular Solutions Inc.	-5.4%	-5.4%	7.3%	11.4%	26.1%	24.4%	26.6%	17.3%	46.5%	42.0%	-5.0%
Median of Industry Public Companies	-10.1%	-10.1%	-15.5%	-10.0%	7.4%	3.8%	-4.9%	4.9%	43.9%	5.2%	-10.8%

(Multiple year periods are calculated as the average annual return.)

As of March 31, 2016
Medical Device Industry Aggregates



Median Public Company Multiples of the Medical Device Industry Aggregates											
Date:	3/31/2014	6/30/2014	9/30/2014	12/31/2014	3/31/2015	6/30/2015	9/30/2015	12/31/2015	3/31/2016		
EV/Revenues Multiple	2.0x	2.0x	2.3x	2.2x	2.2x	2.6x	2.2x	2.4x	2.3x		
EV/EBITDA Multiple	14.2x	12.9x	11.9x	19.1x	14.0x	20.2x	10.6x	18.7x	14.9x		
Price/Earnings Multiple	32.5x	29.5x	29.5x	31.8x	31.6x	33.2x	34.3x	33.6x	34.0x		
EV/Gross Cash Flows Multiple	25.2x	22.4x	22.7x	21.7x	32.4x	61.0x	24.5x	38.9x	26.8x		

Industry Init	ial Public Offerings - Medical Device	Industry Aggregate	s (dollars in mi	llions, except sl	nare prices)					
Offer Date 9/17/2015	<u>Company Name</u> Penumbra, Inc.	Offer Price \$30.00	Shares Offered 4.0	Amount Raised \$120.0	Total Assets \$129.1	<u>Debt</u> \$0.0	LTM Revenues \$149.1	LTM EBITDA \$2.0	LTM Net Income \$0.4	LTM Cash Flow \$3.1
7/7/2015	Biocorp Production	\$10.12	1.0	\$9.7	\$6.5	\$4.3	\$2.0	(\$2.6)	\$0.0	(\$2.6)
6/4/2015	EndoChoice Holdings, Inc.	\$15.00	6.4	\$95.3	\$102.7	\$39.5	\$64.3	(\$39.7)	(\$58.0)	(\$34.1)
1/30/2015	Avinger, Inc.	\$13.00	5.0	\$65.0	\$23.1	\$32.7	\$11.5	(\$23.9)	(\$32.4)	(\$22.4)
12/19/2014	Medovex Corp.	\$5.75	1.4	\$8.0	\$2.6	\$0.0	\$0.0	(\$0.7)	(\$0.7)	(\$0.7)
11/5/2014	Nevro Corp.	\$18.00	7.0	\$126.0	\$62.9	\$0.0	\$26.6	(\$26.5)	(\$26.2)	(\$26.5)
5/7/2014	K2M Group Holdings, Inc.	\$15.00	8.8	\$132.4	\$296.9	\$43.2	\$155.6	(\$8.1)	(\$37.9)	(\$1.6)
4/15/2014	TriVascular Technologies, Inc.	\$12.00	6.5	\$78.0	\$64.7	\$44.3	\$19.5	(\$42.9)	(\$50.3)	(\$41.9)
11/13/2013	Tandem Diabetes Care, Inc.	\$15.00	8.0	\$120.0	\$48.6	\$29.3	\$21.0	(\$37.1)	(\$48.1)	(\$34.2)
10/8/2013	LDR Holding Corporation	\$15.00	5.0	\$75.0	\$78.7	\$53.8	\$98.3	\$2.5	(\$10.3)	\$5.6
8/2/2012	Globus Medical, Inc.	\$12.00	8.3	\$100.0	\$354.8	\$0.0	\$347.9	\$121.4	\$63.9	\$138.8
6/27/2012	Tesaro, Inc.	\$13.50	6.0	\$81.0	\$93.0	\$0.0	\$0.0	(\$23.2)	(\$23.2)	(\$23.2)
4/30/2012	Supernus Pharmaceuticals, Inc.	\$5.00	3.4	\$50.0	\$53.7	\$29.5	\$0.8	(\$36.9)	\$53.8	(\$36.2)
2/10/2011	Kips Bay Medical, Inc.	\$8.00	2.1	\$16.5	\$7.2	\$0.0	\$0.1	(\$8.7)	(\$10.2)	(\$8.6)
2/2/2011	Tornier N.V.	\$19.00	8.8	\$166.3	\$499.2	\$133.8	\$223.4	\$13.2	(\$62.1)	\$28.6
11/23/2010	Anacor Pharmaceuticals, Inc.	\$5.00	12.0	\$60.0	\$20.4	\$9.1	\$31.1	(\$4.3)	(\$6.5)	(\$3.6)
11/22/2010	Zogenix, Inc.	\$4.00	7.1	\$56.0	\$55.0	\$35.9	\$14.6	(\$55.4)	(\$77.6)	(\$54.1)
8/13/2010	Electromed, Inc.	\$4.00	1.7	\$6.8	\$13.4	\$3.8	\$14.2	\$2.3	\$1.0	\$2.6
8/2/2010	Trius Therapeutics, Inc.	\$5.00	4.7	\$50.0	\$18.7	\$19.8	\$5.4	(\$18.8)	(\$20.4)	(\$18.1)
3/24/2010	CorMedix, Inc.	\$6.50	1.9	\$12.5	\$2.2	\$13.8	\$0.0	(\$6.0)	(\$8.1)	(\$6.0)
3/11/2010	AVEO Pharmaceuticals, Inc.	\$9.00	9.0	\$81.0	\$59.8	\$19.7	\$20.7	(\$39.9)	(\$44.1)	(\$38.6)
Median of Al	ll IPOs	nm	nm	\$75.0	\$55.0	\$19.7	\$19.5	(\$8.7)	(\$20.4)	(\$8.6)

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