SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13D

[Rule 13d-101]

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO § 24.13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO § 240.13D-2(a)

(Amendment No. 5)*

CalciMedica, Inc. (Name of Issuer)

Common Stock, par value \$0.0001 per share

(Title of Class of Securities)

38942Q202

(CUSIP Number)

David Clark Elliot Press Deerfield Management Company, L.P. 345 Park Avenue South, 12th Floor New York, New York 10010 (212) 551-1600

With a copy to:

Jonathan D. Weiner, Esq. Mark D. Wood, Esq. Katten Muchin Rosenman LLP **50 Rockefeller Plaza** New York, New York 10020 (212) 940-8800

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

May 19, 2023

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box \Box .

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See § 240.13d-7 for other parties to whom copies are to be sent.

> (Continued on following pages) (Page 1 of 13 Pages)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No.	<u>38942Q202</u>
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1	NAME OF REPORTING	G PERSONS	
	Deerfield Mgmt III, L.P.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a		
	(b) 🗵		
3	SEC USE ONLY		
4	SOURCE OF FUNDS		
	AF		
5		OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or	
	2(e)		
6	CITIZENSHIP OR PLA	CE OF ORGANIZATION	
	Delaware		
	7	SOLE VOTING POWER	
NUMBER OF		0	
SHARES BENEFICIALLY	8	SHARED VOTING POWER	
OWNED BY		122,419 (1)	
EACH REPORTING	9	SOLE DISPOSITIVE POWER	
PERSON WITH		0	
	10	SHARED DISPOSITIVE POWER	
		122,419 (1)	
11	AGGREGATE AMOUN	IT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	122,419 (1)		
12	CHECK BOX IF THE A	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*	
13	PERCENT OF CLASS I	REPRESENTED BY AMOUNT IN ROW (11)	
	2.16%		
14	TYPE OF REPORTING	PERSON	
	PN		
	1 1 1		

(1) Comprised of 122,419 shares of common stock held by Deerfield Private Design Fund III, L.P.

CUSIP No.	<u>38942Q202</u>
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1	NAME OF DEPODTING I		
	NAME OF REPORTING PERSONS		
	Deerfield Private Design Fund III, L.P.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)		
			(b) 🗵
3	SEC USE ONLY		
4	SOURCE OF FUNDS		
	WC		
5		SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or	
	2(e)		
6	CITIZENSHIP OR PLACE	C OF ORGANIZATION	
	Delaware		
	7	SOLE VOTING POWER	
NUMBER OF		0	
SHARES	8	SHARED VOTING POWER	
BENEFICIALLY OWNED BY		122,419	
EACH	9	SOLE DISPOSITIVE POWER	
REPORTING PERSON			
WITH	10		
	10	SHARED DISPOSITIVE POWER	
		122,419	
11	AGGREGATE AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	122,419		
12	CHECK BOX IF THE AG	GREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*	
13	PERCENT OF CLASS RE	PRESENTED BY AMOUNT IN ROW (11)	
	2.16%		
14	TYPE OF REPORTING PI	ERSON	
	PN		

CUSIP No.	<u>38942Q202</u>
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1	NAME OF REPORTING P	ERSONS	
	Deerfield Mgmt HIF, L.P.		
2	CHECK THE APPROPRIA	TE BOX IF A MEMBER OF A GROUP	(a) □
	(b) 🖂		
3	SEC USE ONLY		
4	SOURCE OF FUNDS		
	AF		
5		URE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or	
	2(e)		
6	CITIZENSHIP OR PLACE	OF ORGANIZATION	
	Delaware		
	7	SOLE VOTING POWER	
NUMBER OF		0	
SHARES BENEFICIALLY	8	SHARED VOTING POWER	
OWNED BY		122,419 (2)	
EACH REPORTING	9	SOLE DISPOSITIVE POWER	
PERSON WITH		0	
	10	SHARED DISPOSITIVE POWER	
		122,419 (2)	
11	AGGREGATE AMOUNT E	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	122,419 (2)		
12	CHECK BOX IF THE AGG	REGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*	
13	PERCENT OF CLASS REP	RESENTED BY AMOUNT IN ROW (11)	
	2.16%		
14	TYPE OF REPORTING PE	RSON	
	PN		

(2) Comprised of 122,419 shares of common stock held by Deerfield Healthcare Innovations Fund, L.P.

CUSIP No.	<u>38942Q202</u>
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1	NAME OF REPORTING PE	RSONS	
	Deerfield Healthcare Innovations Fund, L.P.		
2	CHECK THE APPROPRIAT	E BOX IF A MEMBER OF A GROUP	(a) □ (b) ⊠
3	SEC USE ONLY		
4	SOURCE OF FUNDS		
	WC		
5	CHECK BOX IF DISCLOSU 2(e)	JRE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or	
6	CITIZENSHIP OR PLACE (DF ORGANIZATION	
	Delaware		
	7	SOLE VOTING POWER	
NUMBER OF		0	
SHARES BENEFICIALLY	8	SHARED VOTING POWER	
OWNED BY EACH		122,419	
REPORTING	9	SOLE DISPOSITIVE POWER	
PERSON WITH		0	
	10	SHARED DISPOSITIVE POWER	
		122,419	
11	AGGREGATE AMOUNT B	ENEFICIALLY OWNED BY EACH REPORTING PERSON	
	122,419		
12	CHECK BOX IF THE AGG	REGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*	
13	PERCENT OF CLASS REPI	RESENTED BY AMOUNT IN ROW (11)	
	2.16%		
14	TYPE OF REPORTING PER	RSON	
	PN		

CUSIP No.	<u>38942Q202</u>
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· ·		NER CONC	
1	NAME OF REPORTING PERSONS		
	Deerfield Mgmt, L.P.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)		
2	(a) (b)		
			(-) -
3	SEC USE ONLY		
4	SOURCE OF FUNDS		
	AF		
5		OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or	
	2(e)		
6	CITIZENSHIP OR PLAC	CE OF ORGANIZATION	
	Delaware –		
	7	SOLE VOTING POWER	
NUMBER OF		0	
SHARES	8	SHARED VOTING POWER	
BENEFICIALLY			
OWNED BY EACH		31,960 (3)	
REPORTING	9	SOLE DISPOSITIVE POWER	
PERSON		0	
WITH	10		
	10	SHARED DISPOSITIVE POWER	
		31,960 (3)	
11	AGGREGATE AMOUN	T BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	31,960 (3)		
12	CHECK BOX IF THE A	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*	
10	DEDCENT OF CLASS P	EPRESENTED BY AMOUNT IN ROW (11)	
13	PERCENT OF CLASS R	LERREJENTED DI ANIOUNT IN KOW (11)	
	0.56%		
14	TYPE OF REPORTING	PERSON	
	PN		

(3) Comprised of 31,960 shares of common stock held by Deerfield Partners, L.P.

	1			
1	NAME OF REPORTING PERSONS			
	Deerfield Partners, L.P.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)			
-	$(a) = (b) \boxtimes$			
3	SEC USE ONLY			
4	SOURCE OF FUNDS			
	WC			
5	CHECK BOX IF DISCLOSU 2(e)	IRE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or		
	2(0)			
6	CITIZENSHIP OR PLACE C	DF ORGANIZATION		
	Delaware –			
	7	SOLE VOTING POWER		
NUMBER OF		0		
SHARES	8	SHARED VOTING POWER		
BENEFICIALLY OWNED BY		21.000		
EACH		31,960		
REPORTING	9 SOLE DISPOSITIVE POWER			
PERSON WITH		0		
	10	SHARED DISPOSITIVE POWER		
		31,960		
11		ENEFICIALLY OWNED BY EACH REPORTING PERSON		
11	AGGREGALE AWOUNT DE	ENERGY IEL DI EACH REFORTING FERSON		
	31,960			
12	CHECK BOX IF THE AGGE	REGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*		
40				
13	PERCENT OF CLASS REPF	RESENTED BY AMOUNT IN ROW (11)		
	0.56%			
14	TYPE OF REPORTING PER	SON		
	DM			
	PN			

1	NAME OF REPORTING	PERSONS	
	Deerfield Management Company, L.P.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)		
	(b)		
3	SEC USE ONLY		
4	SOURCE OF FUNDS		
	AF		
5		OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or	X
	2(e)		
6	CITIZENSHIP OR PLAC	CE OF ORGANIZATION	
	Delaware		
	7	SOLE VOTING POWER	
NUMBER OF		0	
SHARES	8	SHARED VOTING POWER	
BENEFICIALLY OWNED BY		276,798 (4)	
EACH REPORTING	9	SOLE DISPOSITIVE POWER	
PERSON		0	
WITH	10	SHARED DISPOSITIVE POWER	
11	AGGREGATE AMOUN	276,798 (4) Γ BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	276,798 (4)		
12	CHECK DUA IF THE AU	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*	
13	PERCENT OF CLASS R	EPRESENTED BY AMOUNT IN ROW (11)	
	4.89%		
14	TYPE OF REPORTING	PERSON	
	PN		

(4) Comprised of an aggregate of 276,798 shares of common stock held by Deerfield Partners, L.P., Deerfield Healthcare Innovations Fund, L.P. and Deerfield Private Design Fund III, L.P.

1	NAME OF REPORTING	PERSONS	
	James E. Flynn		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a		
	(b)		
3	SEC USE ONLY		
4	SOURCE OF FUNDS		
	AF		
5		SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or	
	2(e)		
6	CITIZENSHID OP DI AC	E OF OPCANIZATION	
0	CITIZENSHIP OR PLACE OF ORGANIZATION		
	United States of America		
	7	SOLE VOTING POWER	
NUMBER OF		0	
SHARES	8	SHARED VOTING POWER	
BENEFICIALLY			
OWNED BY EACH		276,798 (6)	
REPORTING	9	SOLE DISPOSITIVE POWER	
PERSON		0	
WITH	10	SHARED DISPOSITIVE POWER	
		276,798 (6)	
11	AGGREGATE AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	276,798 (6)		
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*		
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)		
	4.89%		
14	TYPE OF REPORTING F	ERSON*	
	IN		

(6) Comprised of an aggregate of 276,798 shares of common stock held by Deerfield Partners, L.P., Deerfield Healthcare Innovations Fund, L.P. and Deerfield Private Design Fund III, L.P.

CUSIP No. <u>38942Q202</u>

This Amendment No. 5 (this "<u>Amendment</u>") to Schedule 13D amends the Schedule 13D filed by (i) Deerfield Mgmt III, L.P. ("<u>Deerfield Mgmt</u>"), (ii) Deerfield Private Design Fund III"), (iii) Deerfield Mgmt, L.P. ("<u>Deerfield Mgmt</u>"), (iv) Deerfield Partners, L.P. ("<u>Deerfield Partners</u>"), (v) Deerfield Mgmt HIF, L.P. ("<u>Deerfield Mgmt HIF</u>"), (vi) Deerfield Healthcare Innovations Fund, L.P. ("<u>Deerfield Mgmt HIF</u>"), (vi) Deerfield Mgmt HIF, L.P. ("<u>Deerfield Mgmt HIF</u>"), (vi) Deerfield Healthcare Innovations Fund, L.P. ("<u>Deerfield Mgmt HIF</u>"), (vi) Deerfield Mgmt HIF, Deerfield Management Company, L.P. ("<u>Deerfield Management</u>") and (viii) James E. Flynn, a natural person ("<u>Flynn</u>" and collectively with Deerfield Mgmt III, Deerfield Private Design Fund III, Deerfield Mgmt, Deerfield Partners, Deerfield Mgmt HIF, Deerfield Healthcare Innovations Fund and Deerfield Management, the "<u>Reporting Persons</u>"), as amended by Amendment No. 1, Amendment No. 2, Amendment No. 3 and Amendment No. 4 thereto (the "<u>Schedule 13D</u>"), with respect to the common stock of CalciMedica, Inc. (the "<u>Company</u>"). Deerfield Private Design Fund III, Deerfield Healthcare Innovations Fund and Deerfield Partners are collectively referred to herein as the "<u>Funds</u>".

Capitalized terms used but not otherwise defined in this Amendment have the meanings ascribed to them in the Schedule 13D.

Item 5. Interest in Securities of the Issuer.

Items 5(a), (b), (c) and (e) of the Schedule 13D are hereby amended and restated in their entirety as follows:

(a)

(1)	<u>Deerfield Mgmt III</u>	
		Number of shares: Percentage of shares:	122,419 (comprised of shares held by Deerfield Private Design Fund III) 2.16%
(2)	<u>Deerfield Private Design Fun</u>	d III
		Number of shares: Percentage of shares:	122,419 2.16%
(3)	Deerfield Mgmt	
		Number of shares: Percentage of shares:	31,960 (comprised of shares held by Deerfield Partners) 0.56%
(•	4)	Deerfield Partners	
		Number of shares: Percentage of shares:	31,960 0.56%
(5)	Deerfield Mgmt HIF	
		Number of shares: Percentage of shares:	122,419 (comprised of shares held by Deerfield Healthcare Innovations Fund) 2.16%

(8)

(6) <u>Deerfield Healthcare Innovations Fund</u>

Number of shares:	122,419
Percentage of shares:	2.16%

(7) <u>Deerfield Management</u>

Number of shares:	276,798 (comprised of shares held by Deerfield Private Design Fund III, Deerfield Healthcare Innovations Fund and Deerfield Partners)
Percentage of shares:	4.89%
<u>Flynn</u>	
Number of shares:	276,798 (comprised of shares held by Deerfield Private Design Fund III, Deerfield Healthcare Innovations Fund and Deerfield Partners)
Deverate se of channel	

Percentage of shares: 4.89%

*Percentage beneficial ownership reported herein reflects 5,661,933 shares of Common Stock outstanding, as disclosed in the Company's Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2023.

(b)

(1) <u>Deerfield Mgmt III</u>

Sole power to vote or direct the vote: 0 Shared power to vote or direct the vote: 122,419 Sole power to dispose or to direct the disposition: 0 Shared power to dispose or direct the disposition: 122,419

(2) <u>Deerfield Private Design Fund III</u>

Sole power to vote or direct the vote: 0 Shared power to vote or direct the vote: 122,419 Sole power to dispose or to direct the disposition: 0 Shared power to dispose or direct the disposition: 122,419

(3) <u>Deerfield Mgmt HIF</u>

Sole power to vote or direct the vote: 0 Shared power to vote or direct the vote: 122,419 Sole power to dispose or to direct the disposition: 0 Shared power to dispose or direct the disposition: 122,419

(4) <u>Deerfield Healthcare Innovations Fund</u> Sole power to vote or direct the vote: 0 Shared power to vote or direct the vote: 122,419 Sole power to dispose or to direct the disposition: 0 Shared power to dispose or direct the disposition: 122,419

(5) <u>Deerfield Mgmt</u>

Sole power to vote or direct the vote: 0 Shared power to vote or direct the vote: 31,960 Sole power to dispose or to direct the disposition: 0 Shared power to dispose or direct the disposition: 31,960

(6) <u>Deerfield Partners</u>

Sole power to vote or direct the vote: 0 Shared power to vote or direct the vote: 31,960 Sole power to dispose or to direct the disposition: 0 Shared power to dispose or direct the disposition: 31,960

(7) <u>Deerfield Management</u>

Sole power to vote or direct the vote: 0 Shared power to vote or direct the vote: 276,798 Sole power to dispose or to direct the disposition: 0 Shared power to dispose or direct the disposition: 276,798

(8) <u>Flynn</u>

Sole power to vote or direct the vote: 0 Shared power to vote or direct the vote: 276,798 Sole power to dispose or to direct the disposition: 0 Shared power to dispose or direct the disposition: 276,798

Flynn is the managing member of the general partner of each of Deerfield Mgmt, Deerfield Mgmt III, Deerfield Mgmt HIF and Deerfield Management. Deerfield Mgmt III is the general partner of Deerfield Private Design Fund III; Deerfield Mgmt HIF is the general partner of Deerfield Healthcare Innovations Fund and Deerfield Mgmt is the general partner of Deerfield Partners. Deerfield Management is the investment manager of the Funds.

(c) Transactions in the common stock effected by the Reporting Persons in the last sixty (60) days are set forth on Schedule A to this Amendment. All transactions reflected in Schedule A to this Amendment were effected in open market transactions in the over-the-counter market in the ordinary course of the applicable Reporting Person's business.

(e) As of May 23, 2023, the Reporting Persons ceased to beneficially own more than five percent of the Common Stock.

SIGNATURE

After reasonable inquiry and to the best of their knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated: May 23, 2023

DEERFIELD MGMT III, L.P. By: J.E. Flynn Capital III, LLC, General Partner

By:	/s/ Jonathan Isler
Name:	Jonathan Isler
Title:	Attorney-in-Fact

DEERFIELD PRIVATE DESIGN FUND III, L.P. By: Deerfield Mgmt III, L.P., General Partner By: J.E. Flynn Capital III, LLC, General Partner

By:	/s/ Jonathan Isler
Name:	Jonathan Isler
Title:	Attorney-in-Fact

DEERFIELD MGMT HIF, L.P. By: J.E. Flynn Capital HIF, LLC, General Partner

By: /s/ Jonathan Isler Jonathan Isler, Attorney-In-Fact

DEERFIELD HEALTHCARE INNOVATIONS FUND, L.P. By: Deerfield Mgmt HIF, L.P., General Partner

By: J.E. Flynn Capital HIF, LLC, General Partner

By: /s/ Jonathan Isler Jonathan Isler, Attorney-In-Fact

DEERFIELD PARTNERS, L.P.

By: Deerfield Mgmt, L.P., General Partner By: J.E. Flynn Capital, LLC, General Partner

By:/s/ Jonathan IslerName:Jonathan IslerTitle:Attorney-in-Fact

DEERFIELD MGMT, L.P.

By: J.E. Flynn Capital, LLC, General Partner

By: /s/ Jonathan Isler Name: Jonathan Isler

Title: Attorney-in-Fact

DEERFIELD MANAGEMENT COMPANY, L.P. By: Flynn Management LLC, General Partner

By:	/s/ Jonathan Isler
Name:	Jonathan Isler
Title:	Attorney-in-Fact

JAMES E. FLYNN

Reporting Person	Date	Number of Shares <u>Sold</u>	Price per Share <u>(\$)*</u>	Price <u>Range (\$)</u> **
Deerfield Partners, L.P.	5/3/2023	1,100	\$3.55	\$3.55 - \$3.60
Deerfield Partners, L.P.	5/4/2023	200	\$3.55	N/A
Deerfield Partners, L.P.	5/8/2023	1,945	\$3.30	N/A
Deerfield Partners, L.P.	5/9/2023	10,000	\$3.00	\$3.00 - \$3.26
Deerfield Partners, L.P.	5/12/2023	200	\$2.70	N/A
Deerfield Partners, L.P.	5/15/2023	200	\$2.70	N/A
Deerfield Partners, L.P.	5/16/2023	19,500	\$2.70	\$2.70 - \$2.72
Deerfield Partners, L.P.	5/17/2023	5,000	\$2.70	N/A
Deerfield Partners, L.P.	5/19/2023	236	\$3.12	N/A
Deerfield Partners, L.P.	5/19/2023	42,400	\$2.79	\$2.65 - \$2.91
Deerfield Partners, L.P.	5/22/2023	12,500	\$2.95	N/A
Deerfield Partners, L.P.	5/23/2023	7,185	\$3.27	\$3.23-\$3.35

* Price per share reported is a weighted average price. The Reporting Persons undertake to provide to the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in the "Price Range" column of this Schedule A.

** Other than with respect to the sale of 236 shares at a price per share of \$3.12 on May 19, 2023, the shares were sold in multiple transactions at prices within the price range indicated (unless otherwise indicated).