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SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

**CALCIMEDICA, INC.**

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(Name of Issuer)

**Common Stock, par value \$0.0001 per share**

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(Title of Class of Securities)

**38942Q202**

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(CUSIP Number)

**02/28/2025**

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(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

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SCHEDULE 13G

**CUSIP No.** 38942Q202

Names of Reporting Persons

1

Avenue Venture Opportunities Fund II, L.P.

Check the appropriate box if a member of a Group (see instructions)

2

(a)

(b)

3

Sec Use Only

Citizenship or Place of Organization

4

DELAWARE

Number of Shares 5 Sole Voting Power

Beneficially Owned by Each Reporting Person With: 0.00 Shared Voting Power 6 0.00 Sole Dispositive Power 7 0.00 Shared Dispositive Power 8 0.00

9 Aggregate Amount Beneficially Owned by Each Reporting Person

1,000,358.00

10 Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

Percent of class represented by amount in row (9)

11 6.7 %

Type of Reporting Person (See Instructions)

12 OO

**Comment for Type of Reporting Person:** (1) Aggregate amount owned includes 359,195 shares of common stock issuable upon conversion of a loan to Issuer in the principal amount of \$1 million and 641,163 shares of common stock issuable upon exercise of warrants outstanding. Such loan is convertible at any time at lender's option at a per share conversion price of \$2.784. (2) Percent of class is based on 13,971,990 fully diluted shares of Common Stock of CalciMedica, Inc. (the "Issuer") outstanding as of May 6, 2025.

SCHEDULE 13G

CUSIP No. 38942Q202

Names of Reporting Persons

1 Avenue Capital Management II, L.P.

Check the appropriate box if a member of a Group (see instructions)

2  (a)  (b)

3 Sec Use Only  
Citizenship or Place of Organization

4 DELAWARE

Sole Voting Power  
5

1,000,358.00

Number of Shares Beneficially Owned by Each Reporting Person With: 6 Shared Voting Power 0.00

Sole Dispositive Power  
7

1,000,358.00

Shared Dispositive Power  
8

0.00

9 Aggregate Amount Beneficially Owned by Each Reporting Person

1,000,358.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

10

Percent of class represented by amount in row (9)

11

6.7 %

Type of Reporting Person (See Instructions)

12

IA

**Comment for Type of Reporting Person:** (1) Avenue Capital Management II, L.P. is a registered investment adviser and is the manager ("Manager") of Avenue Venture Opportunities Fund II, L.P. (the "Fund"). The general partner of the Fund has delegated all management authority to Manager and therefore, Manager has sole voting and dispositive power over all securities of Issuer held by the Fund but disclaims beneficial ownership thereof except to the extent of its pecuniary interest, if any, therein. (2) Percent of class is based on 13,971,990 shares of Common Stock of Issuer outstanding as of May 6, 2025.

### SCHEDULE 13G

**CUSIP No.** 38942Q202

Names of Reporting Persons

1

Avenue Venture Opportunities Partners II, LLC

Check the appropriate box if a member of a Group (see instructions)

2

(a)

(b)

3

Sec Use Only

Citizenship or Place of Organization

4

DELAWARE

Sole Voting Power

5

0.00

Number of Shares Beneficially Owned by Each Reporting Person With:

Shared Voting Power

6

0.00

Sole Dispositive Power

7

0.00

Shared Dispositive Power

8

0.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9

1,000,358.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

10

Percent of class represented by amount in row (9)

11

6.7 %

Type of Reporting Person (See Instructions)

12

OO

**Comment for Type of Reporting Person:** (1) Avenue Venture Opportunities Partners II, LLC ("AVOPII") is the general partner of the Fund. AVOPII has delegated voting and dispositive power over securities held by the Fund to Manager and disclaims

beneficial ownership of securities held by the Fund, except to the extent of its pecuniary interest, if any, therein. (2) Percent of class is based on 13,971,990 shares of Issuer's common stock outstanding as of May 6, 2025.

## SCHEDULE 13G

CUSIP No. 38942Q202

1	Names of Reporting Persons
	GL Venture Opportunities Partners II, LLC
	Check the appropriate box if a member of a Group (see instructions)
2	<input type="checkbox"/> (a)
	<input type="checkbox"/> (b)
3	Sec Use Only
4	Citizenship or Place of Organization
	DELAWARE
	Sole Voting Power
5	0.00
Number of	Shared Voting Power
Shares	6
Beneficially	0.00
Owned by	Sole Dispositive Power
Each	7
Reporting	0.00
Person	Shared Dispositive
With:	8
	Power
	0.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	1,000,358.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	<input type="checkbox"/>
11	Percent of class represented by amount in row (9)
	6.7 %
12	Type of Reporting Person (See Instructions)
	OO

**Comment for Type of Reporting Person:** (1) GL Venture Opportunities Partners II, LLC ("GLVOPII") is the managing member of AVOPII, the general partner of the Fund. GLVOPII has no voting or dispositive power over securities held by the Fund and disclaims beneficial ownership of securities held by the Fund, except to the extent of its pecuniary interest, if any, therein. (2) Percent of class is based on 13,971,990 shares of Issuer's common stock outstanding as of May 6, 2025.

## SCHEDULE 13G

CUSIP No. 38942Q202

1	Names of Reporting Persons
	Marc Lasry
2	Check the appropriate box if a member of a Group (see instructions)

(a)

(b)

3 Sec Use Only  
Citizenship or Place of Organization

4 UNITED STATES

Sole Voting Power

5

0.00

Number of Shares Beneficially Owned by Each Reporting Person With:

Shared Voting Power

6

0.00

Sole Dispositive Power

7

0.00

Shared Dispositive

8

Power

0.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9

1,000,358.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

10

Percent of class represented by amount in row (9)

11

6.7 %

Type of Reporting Person (See Instructions)

12

IN

**Comment for Type of Reporting Person:** (1) Marc Lasry is the beneficial owner of GLVOPII and therefore, is the ultimate beneficial owner of the Fund. Mr. Lasry does not have voting or dispositive power over securities held by the Fund. (2) Percent of class is based on 13,971,990 shares of Issuer's common stock outstanding as of May 6, 2025.

## SCHEDULE 13G

Item 1.

Name of issuer:

(a)

CALCIMEDICA, INC.

Address of issuer's principal executive offices:

(b)

505 Coast Boulevard South, Suite 307, La Jolla, California 92037

Item 2.

Name of person filing:

(a)

Avenue Venture Opportunities Fund II, L.P., Avenue Capital Management II, L.P., Avenue Venture Opportunities Partners II, LLC, GL Venture Opportunities Partners II, LLC, Marc Lasry

Address or principal business office or, if none, residence:

(b)

Avenue Capital Group 11 West 42nd Street, 9th Floor, New York, New York 10036

Citizenship:

(c)

Avenue Venture Opportunities Fund II, L.P., Avenue Capital Management II, L.P., Avenue Venture Opportunities Partners II, LLC, and GL Venture Opportunities Partners II, LLC are organized under the laws of the State of Delaware. Marc Lasry is a U.S. citizen.

(d)

Title of class of securities:

Common Stock, par value \$0.0001 per share

CUSIP No.:

(e)

38942Q202

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e)  An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
- (k)  Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Item 4. Ownership

Amount beneficially owned:

- (a) The information required by this Item 4(a) is set forth in Row (9) of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person.

Percent of class:

- (b) The information required by this Item 4(b) is set forth in Row (11) of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person. % %

- (c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote:

The information required by this Item 4(c)(i) is set forth in Row (5) of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person.

(ii) Shared power to vote or to direct the vote:

The information required by this Item 4(c)(ii) is set forth in Row (6) of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person.

(iii) Sole power to dispose or to direct the disposition of:

The information required by this Item 4(c)(iii) is set forth in Row (7) of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person.

(iv) Shared power to dispose or to direct the disposition of:

The information required by this Item 4(c)(iv) is set forth in Row (8) of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person.

Item 5. Ownership of 5 Percent or Less of a Class.

Item 6. Ownership of more than 5 Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not Applicable

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Item 10. Certifications:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under ?? 240.14a-11.

SIGNATURE

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

Avenue Venture Opportunities Fund II, L.P.

Signature: /s/ Andrew Schinder  
Andrew Schinder POA for Marc Lasry, Member  
Name/Title: GL Venture Opportunities Partners II LLC, Man.  
Mbr Avenue Venture Opportunities Partners II  
LLC, Gen. Ptnr.  
Date: 05/28/2025

Avenue Capital Management II, L.P.

Signature: /s/ Andrew Schinder  
Andrew Schinder POA for Marc Lasry, Member  
Name/Title: of Avenue Capital Management II GenPar, LLC,  
General Partner.  
Date: 05/28/2025

Avenue Venture Opportunities Partners II, LLC

Signature: /s/ Andrew Schinder  
Andrew Schinder POA for Marc Lasry, Member  
Name/Title: of GL Venture Opportunities Partners II, LLC,  
Managing Member  
Date: 05/28/2025

GL Venture Opportunities Partners II, LLC

Signature: /s/ Andrew Schinder  
Andrew Schinder Attorney-in-Fact for Marc  
Name/Title: Lasry, Member  
Date: 05/28/2025

Marc Lasry

Signature: /s/ Andrew Schinder  
Name/Title: Marc Lasry Attorney-in-Fact for Marc Lasry  
Date: 05/28/2025

**Exhibit Information**

Exhibit 99.1 Power of Attorney dated January 28, 2019 (filed as Exhibit 99.1 to Schedule 13G on October 3, 2024).  
[https://www.sec.gov/Archives/edgar/data/1792691/000182912624006629/beyondair\\_ex99-1.htm](https://www.sec.gov/Archives/edgar/data/1792691/000182912624006629/beyondair_ex99-1.htm) Exhibit 99.2 Joint Filing Agreement.

## AGREEMENT

## JOINT FILING OF SCHEDULE 13G

Each of the undersigned hereby agrees to file jointly the Schedule 13G to which this Agreement is attached, and any amendments to the Schedule 13G (the "Schedule 13G") filed with respect to the common stock, par value \$0.0001 per share, of CalciMedica, Inc., which may be deemed necessary, pursuant to Regulation 13D-G under the Securities Exchange Act of 1934, as amended.

It is understood and agreed that each of the parties hereto is responsible for the timely filing of such statement and any future amendments to the Schedule 13G, and for the completeness and accuracy of the information concerning such party contained therein, but such party is not responsible for the completeness or accuracy of information concerning any other party unless such party knows or has reason to believe that such information is inaccurate.

It is understood and agreed that a copy of this Agreement shall be attached as an exhibit to the Schedule 13G, and any future amendments to the Schedule 13G, filed on behalf of each of the parties hereto.

Date: May 28, 2025

Avenue Venture Opportunities Fund II, L.P.

By: Avenue Venture Opportunities Partners II, LLC  
Its: General Partner

By: GL Venture Opportunities Partners II, LLC  
Its: Managing Member

By: /s/ Andrew Schinder  
Name: Andrew Schinder  
Title: Attorney-in-Fact for Marc Lasry, Member

Avenue Venture Opportunities Partners II, LLC

By: GL Venture Opportunities Partners II, LLC  
Its: Managing Member

By: /s/ Andrew Schinder  
Name: Andrew Schinder  
Title: Attorney-in-Fact for Marc Lasry, Member

GL Venture Opportunities Partners II, LLC

By: /s/ Andrew Schinder  
Name: Andrew Schinder  
Title: Attorney-in-Fact for Marc Lasry, Member

Avenue Capital Management II, L.P.

By: Avenue Capital Management II GenPar, LLC  
Its: General Partner

By: /s/ Andrew Schinder  
Name: Andrew Schinder  
Title: Attorney-in-Fact for Marc Lasry, Member

MARC LASRY

By: /s/ Andrew Schinder, Attorney-in-Fact for Marc Lasry

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