UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G*

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO § 240.13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO § 240.13d-2

(Amendment No. 2)*

Vigil Neuroscience, Inc.
(Name of Issuer)
Common Stock, par value \$0.0001 per share (the "Shares")
(Title of Class of Securities)
92673K108
(CUSIP Number)
December 31, 2023
(Date of Event Which Requires Filing of the 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) * 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 the disclosures provided in a prior cover page.
The information required in 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).

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1.	NAME OF REPORTING PERSONS				
	Citadel Adviso	ors LLC			
2.	CHECK THE A	APPROPRI <i>!</i>	ATE BOX IF A MEMBER OF A GROUP	(a)	
3.	SEC USE ONL	Y			
4.	CITIZENSHIP	OR PLACE	OF ORGANIZATION		
	Delaware				
	•	5.	SOLE VOTING POWER		
NII O	NED OF		0		
SHA	BER OF ARES	6.	SHARED VOTING POWER		
	CIALLY ED BY		2,161,796 Shares		
	.CH RTING	7.	SOLE DISPOSITIVE POWER		
PER	SON TH		0		
***		8.	SHARED DISPOSITIVE POWER		
			See Row 6 above		
9.	AGGREGATE	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	See Row 6 abo	ve			
10.	CHECK IF TH	E AGGREG	GATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11.	PERCENT OF	CLASS RE	PRESENTED BY AMOUNT IN ROW (9)		
	6.0%1				
12.	TYPE OF REP	ORTING PE	ERSON		
	14 · 00 · HC				

The percentages reported in this Schedule 13G are based upon 35,877,421 Shares outstanding as of October 31, 2023 (according to the issuer's Form 10-Q as filed with the Securities and Exchange Commission on November 7, 2023).

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1. NAME OF I		PORTING I	PERSONS	
	Citadel Adviso	ors Holding	gs LP	
2.	CHECK THE A	APPROPRIA	ATE BOX IF A MEMBER OF A GROUP	(a)
3.	SEC USE ONL	Y		
4.	CITIZENSHIP	OR PLACE	E OF ORGANIZATION	
	Delaware			
		5.	SOLE VOTING POWER	
NII DA	DED OF		0	
SH BENEI	BER OF ARES FICIALLY	6.	SHARED VOTING POWER 2,161,796 Shares	
E	NED BY ACH	7.	SOLE DISPOSITIVE POWER	
PE	ORTING RSON	,.	0	
W	/ITH -	8.	SHARED DISPOSITIVE POWER	
			See Row 6 above	
9.	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	See Row 6 abo	ove		
10.	CHECK IF TH	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11.	PERCENT OF	CLASS RE	EPRESENTED BY AMOUNT IN ROW (9)	
	6.0%			
12.	TYPE OF REP	ORTING PI	ERSON	
	PN; HC			

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1.	NAME OF RE	PORTING I	PERSONS	
	Citadel GP LI	LC		
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		ATE BOX IF A MEMBER OF A GROUP	(a)
3.	SEC USE ONL	Y		
4.	CITIZENSHIP	OR PLACE	E OF ORGANIZATION	
	Delaware			
		5.	SOLE VOTING POWER	
NII IN A	IDED OF		0	
SH	BER OF ARES	6.	SHARED VOTING POWER	
OWN	FICIALLY NED BY		2,161,796 Shares	
	ACH ORTING	7.	SOLE DISPOSITIVE POWER	
	RSON VITH		0	
	, 1111	8.	SHARED DISPOSITIVE POWER	
			See Row 6 above	
9.	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	See Row 6 abo	ove		
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
11.	PERCENT OF	CLASS RE	EPRESENTED BY AMOUNT IN ROW (9)	
	6.0%	6.0%		
12.	TYPE OF REP	ORTING P	ERSON	
	OO; HC			

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1.	NAME OF RE	EPORTING P	PERSONS	
	Citadel Secur	rities LLC		
2.	CHECK THE	APPROPRI <i>E</i>	ATE BOX IF A MEMBER OF A GROUP	(a)
3.	SEC USE ON	LY		
4.	CITIZENSHIP OR PLACE OF ORGANIZATION			
	Delaware			
		5.	SOLE VOTING POWER	
NILIN	IDED OF		0	
SH	IBER OF IARES FICIALLY	6.	SHARED VOTING POWER	
	NED BY ACH		106 Shares	
REPO PE	ORTING RSON	7.	SOLE DISPOSITIVE POWER 0	
V	VITH	8.	SHARED DISPOSITIVE POWER	
			See Row 6 above	
9.	AGGREGATE	E AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	See Row 6 ab	ove		
10.	CHECK IF TH	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11.	PERCENT OF	F CLASS RE	PRESENTED BY AMOUNT IN ROW (9)	
	0.0%			
12.	TYPE OF REI	PORTING PI	ERSON	
	BD; OO			

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1. NAME OF I		PORTING I	PERSONS	
	Citadel Securi	ities Group	LP	
2.	CHECK THE	APPROPRI <i>i</i>	ATE BOX IF A MEMBER OF A GROUP	(a)
3.	SEC USE ONI	Y		
4.	CITIZENSHIP	OR PLACE	E OF ORGANIZATION	
	Delaware			
		5.	SOLE VOTING POWER	
NILIN	IDED OF		0	
SH BENE	IBER OF ARES FICIALLY	6.	SHARED VOTING POWER 106 Shares	
Е	NED BY ACH	7.	SOLE DISPOSITIVE POWER	
PE	ORTING RSON		0	
V	VITH	8.	SHARED DISPOSITIVE POWER	
			See Row 6 above	
9.	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	See Row 6 abo	ove		
10.	CHECK IF TH	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11.	PERCENT OF	CLASS RE	EPRESENTED BY AMOUNT IN ROW (9)	
	0.0%			
12.	TYPE OF REP	ORTING PI	ERSON	
	PN; HC			

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1.	NAME OF REPORTING PERSONS					
	Citadel Securi	Citadel Securities GP LLC				
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP			(a)		
3.	SEC USE ONLY					
4.	CITIZENSHIP	CITIZENSHIP OR PLACE OF ORGANIZATION				
	Delaware					
	•	5.	SOLE VOTING POWER			
) II D	MED OF		0			
SH BENE	IBER OF IARES FICIALLY	6.	SHARED VOTING POWER 106 Shares			
E	NED BY ACH	7.	SOLE DISPOSITIVE POWER			
PE	ORTING RSON VITH		0			
V	VIIH	8.	SHARED DISPOSITIVE POWER			
			See Row 6 above			
9.	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	See Row 6 abo	See Row 6 above				
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	0.0%					
12.	TYPE OF REP	ORTING PI	ERSON			
	оо; нс					

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NAME OF REPORTING PERSONS				
Kenneth Griff	in			
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP			(a)	
SEC USE ONLY				
CITIZENSHIP OR PLACE OF ORGANIZATION				
U.S. Citizen				
	5.	SOLE VOTING POWER		
REB OF		0		
ARES ICIALLY	6.	SHARED VOTING POWER 2,161,902 Shares		
RTING RSON	7.	SOLE DISPOSITIVE POWER 0		
ITH	8.	SHARED DISPOSITIVE POWER		
		See Row 6 above		
		BENEFICIALLY OWNED BY EACH REPORTING PERSON		
CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
PERCENT OF	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
6.0%				
TYPE OF REP	ORTING PE	ERSON		
IN; HC				
	Kenneth Griff CHECK THE A SEC USE ONI CITIZENSHIP U.S. Citizen BER OF ARES ICIALLY ED BY ACH ORTING RSON ITH AGGREGATE See Row 6 abo CHECK IF TH PERCENT OF 6.0% TYPE OF REP	Kenneth Griffin CHECK THE APPROPRIA SEC USE ONLY CITIZENSHIP OR PLACE U.S. Citizen 5. BER OF ARES ICIALLY IED BY ACH ORTING RSON ITH 8. AGGREGATE AMOUNT See Row 6 above CHECK IF THE AGGREG PERCENT OF CLASS RE 6.0% TYPE OF REPORTING PR	Kenneth Griffin CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION U.S. Citizen 5. SOLE VOTING POWER 0 BER OF ARES ICIALLY ED BY 2,161,902 Shares ACH 7. SOLE DISPOSITIVE POWER BERT OF ARES ICIALLY ED BY 2,161,902 Shares ACH 8. SHARED DISPOSITIVE POWER BERT OF ARES ICIALLY ED BY 2,161,902 Shares ACH 7. SOLE DISPOSITIVE POWER BERT OF ARES ICIALLY ED BY 2,161,902 Shares CHECK IF THE AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON SEE ROW 6 above CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 6.0% TYPE OF REPORTING PERSON	

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Item 1(a). Name of Issuer:

Vigil Neuroscience, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices:

100 Forge Road, Suite 700 Watertown, MA 02472 United States

Item 2(a). Name of Person Filing:

This Schedule 13G is being jointly filed by Citadel Advisors LLC ("Citadel Advisors"), Citadel Advisors Holdings LP ("CAH"), Citadel GP LLC ("CGP"), Citadel Securities LLC ("Citadel Securities"), Citadel Securities Group LP ("CALC4"), Citadel Securities GP LLC ("CSGP") and Mr. Kenneth Griffin (collectively with Citadel Advisors, CAH, CGP, Citadel Securities, CALC4 and CSGP, the "Reporting Persons") with respect to the Shares of the above-named issuer owned by Citadel Multi-Strategy Equities Master Fund Ltd., a Cayman Islands company ("CM"), and Citadel Securities. Such owned Shares may include other instruments exercisable for or convertible into Shares.

Citadel Advisors is the portfolio manager for CM. CAH is the sole member of Citadel Advisors. CGP is the general partner of CAH. CALC4 is the non-member manager of Citadel Securities. CSGP is the general partner of CALC4. Mr. Griffin is the President and Chief Executive Officer of CGP, and owns a controlling interest in CGP and CSGP.

The filing of this statement shall not be construed as an admission that any of the Reporting Persons is the beneficial owner of any securities covered by the statement other than the securities actually owned by such person (if any).

Item 2(b). Address or Principal Business Office or, if none, Residence:

The address of each of the Reporting Persons is Southeast Financial Center, 200 S. Biscayne Blvd., Suite 3300, Miami, Florida 33131.

Item 2(c). Citizenship:

Each of Citadel Advisors, CGP, Citadel Securities and CSGP is organized as a limited liability company under the laws of the State of Delaware. Each of CALC4 and CAH is organized as a limited partnership under the laws of the State of Delaware. Mr. Griffin is a U.S. citizen.

Item 2(d). Title of Class of Securities:

Common Stock, par value \$0.0001 per share

Item 2(e). CUSIP Number:

92673K108

tem 3.	If this	s statemei	nt is filed pursuant to §§ 240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is a:					
	and statement to mea particular to 35 2 routed 1(b), or 2 routed 2(b) or (c), encour methor the person ming is di							
	(a)		Broker or dealer registered under Section 15 of the Act (15 U.S.C. 780);					
	(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 association 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 (15 U.S.C. 80a-3);					
	(j)		A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J);					
	(k)		Group, in accordance with § 240.13d-1(b)(1)(ii)(K).					
	If filir	ng as a noi	n-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:					
tem 4.	Owne	ership:						
	A.	Citade	l Advisors LLC, Citadel Advisors Holdings LP and Citadel GP LLC					
		(a)	Each of Citadel Advisors LLC, Citadel Advisors Holdings LP and Citadel GP LLC may be deemed to beneficially own 2,161,796 Shares.					
		(b)	The number of Shares that each of Citadel Advisors LLC, Citadel Advisors Holdings LP and Citadel GP LLC may be deemed to beneficially own constitutes 6.0% of the Shares outstanding.					
		(c)	Number of Shares as to which such person has:					
			(i) sole power to vote or to direct the vote: 0					
			(ii) shared power to vote or to direct the vote: 2,161,796					

sole power to dispose or to direct the disposition of: $\,0\,$

shared power to dispose or to direct the disposition of: 2,161,796

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- B. Citadel Securities LLC
 - (a) Citadel Securities LLC may be deemed to beneficially own 106 Shares.
 - (b) The number of Shares that Citadel Securities LLC may be deemed to beneficially own constitutes 0.0% of the Shares outstanding.
 - (c) Number of shares of Shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0
 - (ii) shared power to vote or to direct the vote: 106
 - (iii) sole power to dispose or to direct the disposition of: 0
 - (iv) shared power to dispose or to direct the disposition of: 106
- C. Citadel Securities Group LP and Citadel Securities GP LLC
 - (a) Each of Citadel Securities Group LP and Citadel Securities GP LLC may be deemed to beneficially own 106 Shares.
 - (b) The number of Shares that each of Citadel Securities Group LP and Citadel Securities GP LLC may be deemed to beneficially own constitutes 0.0% of the Shares outstanding.
 - (c) Number of Shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0
 - (ii) shared power to vote or to direct the vote: 106
 - (iii) sole power to dispose or to direct the disposition of: 0
 - (iv) shared power to dispose or to direct the disposition of: 106

D. Kenneth Griffin

- (a) Mr. Griffin may be deemed to beneficially own 2,161,902 Shares.
- (b) The number of Shares that Mr. Griffin may be deemed to beneficially own constitutes 6.0% of the Shares outstanding.
- (c) Number of Shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0
 - (ii) shared power to vote or to direct the vote: 2,161,902
 - (iii) sole power to dispose or to direct the disposition of: 0
 - (iv) shared power to dispose or to direct the disposition of: 2,161,902

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

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following. \Box

Item 6. Ownership of More Than Five 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:

Not Applicable

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

Not Applicable

Item 9. Notice of Dissolution of Group:

Not Applicable

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.

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SIGNATURE

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

Dated February 14, 2024.

DEL SECURITIES LLC	CIII	DEL ADVISORS LLC	
/s/ Guy Miller Guy Miller, Authorized Signatory	By:	/s/ Seth Levy Seth Levy, Authorized Signatory	
	CITA		
SEE SECRITES GROOT EI	CIII	DEL ADVISORS HOLDINGS EI	
/s/ Guy Miller	By:	/s/ Seth Levy	
Guy Miller, Authorized Signatory		Seth Levy, Authorized Signatory	
DEL SECURITIES GP LLC	CITA	DEL GP LLC	
	_		
	By:		
Guy Miller, Authorized Signatory		Seth Levy, Authorized Signatory	
	KENI	NETH GRIFFIN	
	By:	/s/ Seth Levy	
		Seth Levy, attorney-in-fact*	
	/s/ Guy Miller Guy Miller, Authorized Signatory DEL SECURITIES GROUP LP /s/ Guy Miller	/s/ Guy Miller Guy Miller, Authorized Signatory DEL SECURITIES GROUP LP /s/ Guy Miller Guy Miller, Authorized Signatory DEL SECURITIES GP LLC /s/ Guy Miller Guy Miller Securities GP LLC /s/ Guy Miller Guy Miller Guy Miller KENI	S Guy Miller By: S Seth Levy Seth Levy Seth Levy, Authorized Signatory

^{*} Seth Levy is signing on behalf of Kenneth Griffin as attorney-in-fact pursuant to a power of attorney previously filed with the Securities and Exchange Commission, and hereby incorporated by reference herein. The power of attorney was filed as an attachment to a filing by Citadel Advisors LLC on Schedule 13G for Allakos Inc. on October 13, 2023.