

Ignyta, Inc.  
Form SC 13G/A  
February 14, 2018  
**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

**Schedule 13G/A**

**Under the Securities Exchange Act of 1934**

**(Amendment No. 2)\***

Ignyta, Inc.  
(Name of Issuer)

Common Stock  
(Title of Class of Securities)

451731103  
(CUSIP Number)

December 31, 2017  
(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)

\*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).

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**NAMES OF  
REPORTING  
PERSONS**

Great Point Partners,  
LLC

**1.**

I.R.S.  
IDENTIFICATION  
NO. OF ABOVE  
PERSON  
(ENTITIES ONLY):

37-1475292

**CHECK THE  
APPROPRIATE  
BOX IF A**

**2. MEMBER OF A  
GROUP**

(a)   
(b)

**3. SEC USE ONLY  
CITIZENSHIP OR  
PLACE OF  
ORGANIZATION**

**4.**

USA

**NUMBER OF SHARES    SOLE VOTING POWER**

**5.**

**BENEFICIALLY                    0  
    SHARED VOTING POWER**

**6.**

**OWNED BY EACH                    0  
    7. SOLE DISPOSITIVE POWER**

**REPORTING PERSON**

0  
**8. SHARED DISPOSITIVE POWER**

**WITH**

0  
**AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON**

**9.**

0  
**10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)** 0  
**PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)**

**11.**

0%  
**TYPE OF REPORTING PERSON (See Instructions)**

**12.**

IA

**NAMES OF  
REPORTING  
PERSONS**

Dr. Jeffrey R. Jay,  
M.D.

**1.**

I.R.S.  
IDENTIFICATION  
NO. OF ABOVE  
PERSON  
(ENTITIES ONLY):

**CHECK THE  
APPROPRIATE  
BOX IF A**

**2. MEMBER OF A  
GROUP**

- (a)
- (b)

**3. SEC USE ONLY  
CITIZENSHIP OR  
PLACE OF  
ORGANIZATION**

**4.**

USA

**NUMBER OF SHARES    SOLE VOTING POWER**

**5.**

**BENEFICIALLY            0  
SHARED VOTING POWER**

**6.**

**OWNED BY EACH            0  
SOLE DISPOSITIVE POWER**

**REPORTING PERSON 7.**

**0  
8. SHARED DISPOSITIVE POWER**

**WITH**

0

**AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON**

**9.**

0

**10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)** o

**PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)**

**11.**

0%

**TYPE OF REPORTING PERSON (See Instructions)**

**12.**

IN

**NAMES OF  
REPORTING  
PERSONS**

Mr. David Kroin

**1.**

I.R.S.  
IDENTIFICATION  
NO. OF ABOVE  
PERSON  
(ENTITIES ONLY):

**CHECK THE  
APPROPRIATE  
BOX IF A**

**2. MEMBER OF A  
GROUP**

- (a)
- (b)

**3. SEC USE ONLY  
CITIZENSHIP OR  
PLACE OF  
ORGANIZATION**

**4.**

USA

**NUMBER OF SHARES    SOLE VOTING POWER**

**5.**

**BENEFICIALLY                    0  
SHARED VOTING POWER**

**6.**

**OWNED BY EACH                    0  
SOLE DISPOSITIVE POWER**

**REPORTING PERSON 7.**

**0  
8. SHARED DISPOSITIVE POWER**

**WITH**

0

**AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON**

9.

0

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.

0%

**TYPE OF REPORTING PERSON** (See Instructions)

12.

IN



**Item 1.**

- (a) Name of Issuer

Ignyta, Inc.

- (b) Address of Issuer's Principal Executive Offices

11111 Flintkote Avenue, San Diego, CA 92121

**Item 2.**

- (a) Name of Person Filing

Great Point Partners, LLC  
Dr. Jeffrey R. Jay, M.D.  
Mr. David Kroin

The Reporting Persons have entered into a Joint Filing Agreement, dated February 14, 2018, a copy of which is filed with this Schedule 13G/A as Exhibit A, pursuant to which the Reporting Persons have agreed to file this statement jointly in accordance with the provisions of Rule 13d-1(k)(1) under the Act.

- (b) Address of Principal Business Office, or if none, Residence

The address of the principal business office of each of the Reporting Persons is

165 Mason Street, 3rd Floor  
Greenwich, CT 06830

- (c) Citizenship

Great Point Partners, LLC is a limited liability company organized under the laws of the State of Delaware. Dr. Jeffrey R. Jay, M.D. is a citizen of the United States. Mr. David Kroin is

a citizen of the United States.

(d) Title of Class of Securities

Common Stock

(e) CUSIP Number

451731103

**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:**

Broker or dealer registered  
(a)  under Section 15 of the Act  
(15 U.S.C. 78o)

Bank as defined in Section  
(b)  3(a)(6) of the Act (15 U.S.C.  
78c).

Insurance company as  
(c)  defined in Section 3(a)(19) of  
the Act (15. U.S.C. 78c).

Investment Company  
(d)  registered under Section 8 of  
the Investment Company Act  
of 1940 (15 U.S.C. 80a-8).

An investment adviser in  
(e)  accordance with  
§240.13d-1(b)(1)(ii)(E).

An employee benefit plan or  
(f)  endowment fund in  
accordance with  
§240.13d-1(b)(1)(ii)(F).

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A parent holding  
company or control  
(g) o person in accordance  
with  
§240.13d-1(b)(1)(ii)(G).

A savings associations  
as defined in Section  
(h) o 3(b) of the Federal  
Deposit Insurance Act  
(12 U.S.C. 1813).

A church plan that is  
excluded from the  
definition of an  
(i) o investment company  
under Section 3(c)(14)  
of the Investment  
Company Act of 1940  
(15 U.S.C. 80a-3).

Group, in accordance  
(j) o with  
§240.13d-1(b)(1)(ii)(J).

**Item 4. Ownership**

Not Applicable.

**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 each of the Reporting Persons has ceased to be the beneficial owner of more than five percent of the class of securities, check the following x.

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. Certification

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 participant in any transaction having that purpose or effect.

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.

Date: February 14, 2018

GREAT POINT PARTNERS,  
LLC

By: /s/ Dr. Jeffrey R. Jay, M.D.  
Dr. Jeffrey R. Jay, M.D.,  
as senior managing member

/s/ Dr. Jeffrey R. Jay, M.D.  
DR. JEFFREY R. JAY, M.D.

/s/ Mr. David Kroin  
MR. DAVID KROIN

Exhibit A

**AGREEMENT REGARDING THE JOINT FILING OF SCHEDULE 13G/A**

The undersigned hereby agree as follows:

(i) Each of them is individually eligible to use the Schedule 13G/A to which this Exhibit is attached, and such Schedule 13G/A is filed on behalf of each of them; and

(ii) Each of them is responsible for the timely filing of such Schedule 13G/A and any amendments thereto, and for the completeness and accuracy of the information concerning such person contained therein; but none of them is responsible for the completeness or accuracy of the information concerning the other persons making the filing, unless such person knows or has reason to believe that such information is inaccurate.

Date: February 14, 2018

GREAT POINT PARTNERS,  
LLC

By: /s/ Dr. Jeffrey R. Jay, M.D.  
Dr. Jeffrey R. Jay, M.D.,  
as senior managing member

/s/ Dr. Jeffrey R. Jay, M.D.  
DR. JEFFREY R. JAY, M.D.

/s/ Mr. David Kroin  
MR. DAVID KROIN