

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB Number: 3235-0287

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1. Name and Address of Reporting Person* PETIT PARKER H			2. Issuer Name and Ticker or Trading Symbol MIMEDX GROUP, INC. [MDXG]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) Chairman & CEO			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 01/17/2014			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			
C/O MIMEDX GROUP, INC. 1775 WEST OAK COMMONS CT., N.E.			4. If Amendment, Date of Original Filed (Month/Day/Year)						
(Street)	(City)	(State)	(Zip)						
MARIETTA	GA		30062						

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	01/17/2014		S		50,000 ⁽²⁾	D	\$8.28	925,000 ⁽¹⁾	I	by Cox Road Partners, L.L.L.P.
Common Stock	01/20/2014		M		325,000 ⁽²⁾	A	\$0.73	1,250,000 ⁽¹⁾	I	by Cox Road Partners, L.L.L.P.
Common Stock	01/17/2014		S		50,000 ⁽³⁾	D	\$8.28	925,000 ⁽¹⁾	I	by Cox Road Partners II, L.L.L.P.
Common Stock	01/20/2014		M		325,000 ⁽³⁾	A	\$0.73	1,250,000 ⁽¹⁾	I	by Cox Road Partners II, L.L.L.P.
Common Stock	01/17/2014		S		50,000 ⁽⁴⁾	D	\$8.28	925,000 ⁽¹⁾	I	by Petit Investments II, L.L.L.P.
Common Stock	01/20/2014		M		325,000 ⁽⁴⁾	A	\$0.73	1,250,000 ⁽¹⁾	I	by Petit Investments II, L.L.L.P.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Warrant	\$0.73	01/20/2014		M			325,000	02/19/2009	02/19/2014	Common Stock	325,000 ⁽²⁾	\$0	0	I	by Cox Road Partners, L.L.L.P.
Warrant	\$0.73	01/20/2014		M			325,000	02/19/2009	02/19/2014	Common Stock	325,000 ⁽³⁾	\$0	0	I	by Cox Road Partners II, L.L.L.P.
Warrant	\$0.73	01/20/2014		M			325,000	02/19/2009	02/19/2014	Common Stock	325,000 ⁽⁴⁾	\$0	0	I	by Petit Investments II, L.L.L.P.

Explanation of Responses:

1. In addition, Mr. Petit owns directly 5,671,847 shares of Common Stock and 106,000 unvested shares of restricted stock which vest in equal installments over three years. Mr. Petit does not have the right to vote the unvested shares of restricted stock. Mr. Petit also beneficially owns 150,000 shares held by The Parker H. Petit Grantor Trust, of which he serves as Trustee and 150,000 shares held by Petit Investments, L.P., of which he serves as General partner and limited partner.

2. Owned by Cox Road Partners, L.L.L.P., over which Mr. Petit possesses sole voting and investment control.

3. Owned by Cox Road Partners II, L.L.L.P. over which Mr. Petit possesses sole voting & investment control.

4. Owned by Petit Investments II, L.L.L.P. over which Mr. Petit possesses sole voting and investment control.

Remarks:

/s/ Michael J. Senken, by Power 01/20/2014
of Attorney

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

Securities and Exchange Commission
Judiciary Plaza
450 Fifth Street, N.W.
Washington, DC 20549

Power of Attorney

Re: MiMedx Group, Inc.

Ladies and Gentlemen:

Know all by these presents, that the undersigned hereby constitutes and appoints each of Michael J. Senken, Roberta L. McCaw, G. Donald Johnson, and T. Clark Fitzgerald III, or either of them signing singly, and with full power of substitution, the undersigned's true and lawful attorney-in-fact to:

(1) prepare, execute in the undersigned's name and on the undersigned's behalf, and submit to the U.S. Securities and Exchange Commission (the "SEC") a Form ID, including amendments thereto, and any other documents necessary or appropriate to obtain codes and passwords enabling the undersigned to make electronic filings with the SEC of reports required by Section 16(a) of the Securities Exchange Act of 1934 or any rule or regulation of the SEC;

(2) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of MiMedx Group, Inc., (the "Company"), Forms 3, 4, and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;

(3) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4, or 5, complete and execute any amendment or amendments thereto, and timely file such form with the SEC and any stock exchange or similar authority; and

(4) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 20 day of January, 2010.

By: /s/: Parker H. Petit

Name: Parker H. Petit