GUIDED THERAPEUTICS INC Form S-8			
August 14, 2012			
As filed with the Securities and Exchange Commission on August 14,	2012		
Registration No. 333-			
UNITED STATES SECURITIES AND EXCHANGE COMMISSION			
WASHINGTON, D.C. 20549			
FORM S-8			
REGISTRATION STATEMENT			
UNDER THE SECURITIES ACT OF 1933			
GUIDED THERAPEUTICS, INC.			
(Exact name of registrant as specified in its charter)			
DELAWARE (State or other jurisdiction of incorporation or organization) 5835 Peachtree Corners East, Suite D	58-2029543 (I.R.S. Employer Identification No.)		
Norcross, Georgia 30092			
(Address of Principal Executive Offices) (Zip Code)			
1995 STOCK PLAN			
(Full title of the plan)			
Mark L. Faupel			
President and Chief Executive Officer			
Guided Therapeutics, Inc.			
5835 Peachtree Corners East, Suite D			

Norcross, Georgia 30092

(770) 242-8723

(Name, address and telephone number, including area code, of agent for service)

WITH A COPY TO:

Heith D. Rodman, Esq.

Jones Day

1420 Peachtree Street, N.E.

Suite 800

Atlanta, Georgia 30309-3053

(404) 521-3939

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer £ Accelerated filer £
Non-accelerated filer £ Smaller reporting company S

CALCULATION OF REGISTRATION FEE

Title of acceptains	A	Proposed maximum Proposed maximum		
Title of securities	Amount to	offering price	aggregate	Amount of
to be registered	be registered			registration fee
ε	E	per share	offering price	C
Common Stock, \$.001 par value	e 5,000,000 shares (1) \$0.85 (2)	\$4,225,000 (2)	\$484 (2)

In addition to the shares set forth in the table, pursuant to Rule 416 of the Securities Act of 1933, the amount to be

- (1) registered includes an indeterminate number of shares issuable upon adjustment due to stock splits, stock dividends, and anti-dilution provisions and other adjustment provisions, as provided in the 1995 Stock Plan. Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(c) under the Securities Act
- (2) of 1933. Based on the average of the bid and ask price of the common stock on the OTCQB quotation system on August 8, 2012.

STATEMENT UNDER GENERAL INSTRUCTION E TO FORM S-8

This registration statement registers 5,000,000 additional shares of the registrant's common stock, par value \$.001 per share, to be issued to participants under the registrant's 1995 Stock Plan. The contents of the previous registration statement on Form S-8 filed by the registrant with the Securities and Exchange Commission (the "Commission") on June 25, 2001 (Registration No. 333-63758) are incorporated by reference into this registration statement pursuant to General Instruction E to Form S-8 regarding registration of additional securities.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 8. Exhibits.

Exhibit No.	Description
* <u>5.1</u>	Opinion of Jones Day regarding validity.
10.1	1995 Stock Plan and form of Stock Option Agreement thereunder (incorporated by reference to Exhibit 10.2 to the Registration Statement on Form S-1 (No. 333-22429) filed February 27, 1997).
10.2	2005 Amendment No. 2 to the 1995 Stock Plan, as amended (incorporated by reference to Appendix 1 to the proxy statement on Schedule 14A, filed May 10, 2005).
10.3	2010 Amendment to the 1995 Stock Plan (incorporated by reference to Exhibit 10.3 to the Registration Statement on Form S-8 (No. 333-178261) filed December 1, 2011).
10.4	2012 Amendment to the 1995 Stock Plan (incorporated by reference to Annex 1 to the proxy statement on Schedule 14A, filed April 30, 2012).
23.1	Consent of Jones Day (included in Exhibit 5.1).
* <u>23.2</u>	Consent of UHY LLP.
24.1	Powers of Attorney (included as part of signature page).

^{*}filed herewith

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Atlanta, State of Georgia, on August 14, 2012.

GUIDED THERAPEUTICS, INC.

By: <u>/s/ Mark L. Faupel</u> Name: Mark L. Faupel

Title: President, Chief Executive Officer and Acting Chief Financial Officer

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Mark L. Faupel, with full power of substitution and resubstitution, as attorney-in-fact of the undersigned, for him and in his name, place and stead, to execute and file with the Securities and Exchange Commission (the "Commission") under the Securities Act of 1933 any and all amendments, supplements and exhibits to this Registration Statement (including pre-effective and post-effective amendments and supplements), to execute and file any and all other applications or other documents to be filed with the Commission, such attorney to have full power to act with or without the others, and to have full power and authority to do and perform, in the name and on behalf of the undersigned, every act whatsoever necessary, advisable or appropriate to be done in the premises as fully and to all intents and purposes as the undersigned might or could do in person, hereby ratifying and approving the act of said attorney and any such substitute.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated:

DATE: August 14, 2012 SIGNATURE TITLE

/s/ Mark L. Faupel President, Chief Executive Officer, Acting Chief Financial Officer and Director (Principal Executive Officer and Principal Financial and Accounting Officer)

Mark L. Faupel

/s/ Ronald W.

Vice Chairman and Director

Ronald W. Hart

/s/ John E. Imhoff Director

John E. Imhoff

/s/ Michael C.

Director

James

Hart

Michael C. James

/s/ Ronald W.

Chairman and Director

Allen

Ronald W. Allen

/s/ Jonathan M.

Niloff

Director

Jonathan M.

Niloff

/s/ Linda

Director

Rosenstock

Linda Rosenstock

EXHIBIT INDEX

Exhibit No. Description

Opinion of Jones Day regarding validity. Consent of UHY LLP.

23.2