

SECURITIES AND EXCHANGE COMMISSION

FORM 13F-HR

Initial quarterly Form 13F holdings report filed by institutional managers

Filing Date: **2005-05-02** | Period of Report: **2005-03-31**
SEC Accession No. **0001193125-05-092412**

([HTML Version](#) on secdatabase.com)

FILER

HUGHES HOWARD MEDICAL INSTITUTE

CIK: **810386** | State of Incorporation: **DE** | Fiscal Year End: **0831**
Type: **13F-HR** | Act: **34** | File No.: **028-01897** | Film No.: **05791492**

Mailing Address
4000 JONES BRIDGE ROAD
CHEVY CHASE MD
20815-6789

Business Address
4000 JONES BRIDGE ROAD
CHEVY CHASE MD
20815-6789
3012158500

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

Form 13F

FORM 13F COVER PAGE

Report for the Calendar Year or Quarter Ended: March 31, 2005

Check here if Amendment []: Amendment Number: _____

This Amendment (Check only one): [] is a restatement.
[] adds new holdings entries.

Institutional Investment Manager Filing this Report:

Name: Howard Hughes Medical Institute
Address: 4000 Jones Bridge Road
Chevy Chase, MD 20815-6789

Form 13F File Number: 28-1897

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statements, schedules, lists, and tables, are considered integral parts of this form.

Person signing this Report on Behalf of Reporting Manager:

Name: Richard Pender
Title: Managing Director - Global Equities
Phone: (301) 215-8697

Signature, Place, and Date of Signing:

Richard Pender Chevy Chase, Maryland 05/02/05
[Signature] [City, State] [Date]

Report Type (Check only one):

- 13F HOLDINGS REPORT. (Check here if all holdings of this reporting manager are reported in this report.)
- 13F NOTICE. (Check here if no holdings reported are in this report, and all holdings are reported by other reporting manager(s).)
- 13F COMBINATION REPORT. (Check here if a portion of the holdings for this reporting manager are reported in this report and a portion are reported by other reporting manager(s).)

FORM 13F SUMMARY PAGE

Report Summary:

Number of Other Included Managers: None

Form 13F Information Table Entry Total: 60

Form 13F Information Table Value Total: 1,678,644,630.30

List of Other Included Managers:

None.

Provide a numbered list of the name(s) and Form 13F file number(s) of all institutional investment managers with respect to which this report is filed, other than the manager filing this report.

[If there are no entries in this list, state "NONE" and omit the column headings and list entries.]

FORM 13F INFORMATION TABLE

<TABLE>						
<CAPTION>						
COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5		
NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE	SHRS OR PRN AMT	SH/ PRN	PUT/ CALL
<S>	<C>	<C>	<C>	<C>	<C>	<C>
ADOLOR CORP	COMMON	00724X102	186,000.00	18,750	SH	N/A
ADVANCIS PHARMACEUTICAL CORP	COMMON	00764L109	846,919.00	228,897	SH	N/A
ALLSTATE CORP	COMMON	020002101	24,327,000.00	450,000	SH	N/A
ALLTEL CORP	COMMON	020039103	21,940,000.00	400,000	SH	N/A
ANADARKO PETROLEUM CORPORATION	COMMON	032511107	3,805,000.00	50,000	SH	N/A
APACHE CORPORATION	COMMON	037411105	18,981,300.00	310,000	SH	N/A
APPLIED MATERIALS INC	COMMON	038222105	25,187,500.00	1,550,000	SH	N/A
AUTOMATIC DATA PROCESSING	COMMON	053015103	25,172,000.00	560,000	SH	N/A
BIOTECH HOLDRS TRUST	DEPOSTRY RCPTS	09067D201	14,079,000.00	100,000	SH	N/A
BLACK & DECKER CORPORATION	COMMON	091797100	25,276,800.00	320,000	SH	N/A
CANADIAN NATIONAL RAILWAY CO	COMMON	136375102	31,655,000.00	500,000	SH	N/A
CAREMARK RX INC	COMMON	141705103	53,703,000.00	1,350,000	SH	N/A
CELGENE CORP	COMMON	151020104	102,559.00	3,012	SH	N/A
CHEVRON TEXACO CORP	COMMON	166764100	24,781,750.00	425,000	SH	N/A
COMPUTER ASSOC INTL INC	COMMON	204912109	23,247,274.30	857,833	SH	N/A
CONOCOPHILLIPS	COMMON	20825C104	26,960,000.00	250,000	SH	N/A
COSTCO WHOLESALE CORP	COMMON	22160K105	22,531,800.00	510,000	SH	N/A
CURIS INC	COMMON	231269101	10,550.00	2,947	SH	N/A
CYTRX	COM NEW	232828301	206,282.00	150,571	SH	N/A
D&B CORP	COMMON	26483E100	24,580,000.00	400,000	SH	N/A
DEERE & COMPANY	COMMON	244199105	28,530,250.00	425,000	SH	N/A
DISNEY WALT CO	COM DISNEY	254687106	42,980,080.00	1,496,000	SH	N/A
EXXON MOBIL CORP	COMMON	30231G102	23,840,000.00	400,000	SH	N/A
FAVRILLE INC	COMMON	312088404	693,975.00	151,788	SH	N/A
FIRST DATA CORPORATION	COMMON	319963104	31,841,100.00	810,000	SH	N/A
FREEMONT-MCMORAN COPPER & GOLD INC	CLASS B	35671D857	23,766,000.00	600,000	SH	N/A
GENAISANCE PHARMACEUTICALS INC	COMMON	36867W105	4,483.00	3,589	SH	N/A
GUIDANT CORP	COMMON	401698105	44,340,000.00	600,000	SH	N/A
HARRAH'S ENTERTAINMENT INC	COMMON	413619107	48,435,000.00	750,000	SH	N/A
HEALTH MANAGEMENT ASSOCIATES INC-A	CLASS A	421933102	49,742,000.00	1,900,000	SH	N/A
INTEL CORP	COMMON	458140100	26,714,500.00	1,150,000	SH	N/A
ISHARES MSCI EAFE INDEX FUND	MSCI EAFE IDX	464287465	190,644,000.00	1,200,000	SH	N/A
JOHNSON & JOHNSON	COMMON	478160104	9,402,400.00	140,000	SH	N/A
JP MORGAN CHASE & CO	COMMON	46625H100	19,030,000.00	550,000	SH	N/A
LEHMAN BROTHERS HOLDINGS INC	COMMON	524908100	21,186,000.00	225,000	SH	N/A
LEXICON GENETICS INC	COMMON	528872104	425,055.00	83,181	SH	N/A
LIGAND PHARMACEUTICAL INC	CLASS B	53220K207	39,783.00	6,943	SH	N/A
LOCKHEED MARTIN CORP	COMMON	539830109	25,034,600.00	410,000	SH	N/A
MARATHON OIL CORP	COMMON	565849106	25,806,000.00	550,000	SH	N/A
MBNA CORPORATION	COMMON	55262L100	21,113,000.00	860,000	SH	N/A
MEDTRONIC INC	COMMON	585055106	45,855,000.00	900,000	SH	N/A
NASDAQ 100 INDEX TRACKING STOCK	UNIT SER 1	631100104	5,485,500.00	150,000	SH	N/A
OMNICOM GROUP INC	COMMON	681919106	35,408,000.00	400,000	SH	N/A
OPENWAVE SYSTEMS INC	COMMON NEW	683718308	3,657,000.00	300,000	SH	N/A
PEABODY ENERGY CORP	COMMON	704549104	38,942,400.00	840,000	SH	N/A
QUALCOMM INC	COMMON	747525103	29,304,000.00	800,000	SH	N/A
QUEST DIAGNOSTICS INC	COMMON	74834L100	47,308,500.00	450,000	SH	N/A
REGAL ENTERTAINMENT GROUP	CLASS A	758766109	25,236,000.00	1,200,000	SH	N/A
SCHLUMBERGER LTD	COMMON	806857108	22,906,000.00	325,000	SH	N/A
SENOMYX INC	COMMON	81724Q107	54,214.00	4,552	SH	N/A
SLM CORP	COMMON	78442P106	57,316,000.00	1,150,000	SH	N/A
SMITH INTERNATIONAL INC	COMMON	832110100	23,523,750.00	375,000	SH	N/A
SPDR TRUST SERIES 1	UNIT SER 1	78462F103	156,297,000.00	1,325,000	SH	N/A

SPRINT CORPORATION (FON GROUP)	COM FON	852061100	47,775,000.00	2,100,000	SH	N/A
STEMCELLS INC	COMMON	85857R105	4,725.00	1,500	SH	N/A
TAIWAN SEMICONDUCTOR MANUFACTURING CO.	SPONSORED ADR	874039100	29,680,000.00	3,500,000	SH	N/A
TIME WARNER INC	COMMON	887317105	23,692,500.00	1,350,000	SH	N/A
TJX COMPANIES INC	COMMON	872540109	24,630,000.00	1,000,000	SH	N/A
WESTERN WIRELESS CORPORATION	CLASS A	95988E204	30,368,000.00	800,000	SH	N/A
YUM! BRANDS INC	COMMON	988498101	31,086,000.00	600,000	SH	N/A

1,678,644,630.30

<CAPTION>

COLUMN 1	COLUMN 6	COLUMN 7	COLUMN 8		
NAME OF ISSUER	INVSTMT DSCRETN	OTHER MANAGERS	VOTING AUTHORITY		
			SOLE	SHARED	NONE
<S>	<C>	<C>	<C>	<C>	<C>
ADOLOR CORP	SOLE	N/A	X	N/A	N/A
ADVANCIS PHARMACEUTICAL CORP	SOLE	N/A	X	N/A	N/A
ALLSTATE CORP	SOLE	N/A	X	N/A	N/A
ALLTEL CORP	SOLE	N/A	X	N/A	N/A
ANADARKO PETROLEUM CORPORATION	SOLE	N/A	X	N/A	N/A
APACHE CORPORATION	SOLE	N/A	X	N/A	N/A
APPLIED MATERIALS INC	SOLE	N/A	X	N/A	N/A
AUTOMATIC DATA PROCESSING	SOLE	N/A	X	N/A	N/A
BIOTECH HOLDERS TRUST	SOLE	N/A	X	N/A	N/A
BLACK & DECKER CORPORATION	SOLE	N/A	X	N/A	N/A
CANADIAN NATIONAL RAILWAY CO	SOLE	N/A	X	N/A	N/A
CAREMARK RX INC	SOLE	N/A	X	N/A	N/A
CELGENE CORP	SOLE	N/A	X	N/A	N/A
CHEVRON TEXACO CORP	SOLE	N/A	X	N/A	N/A
COMPUTER ASSOC INTL INC	SOLE	N/A	X	N/A	N/A
CONOCOPHILLIPS	SOLE	N/A	X	N/A	N/A
COSTCO WHOLESALE CORP	SOLE	N/A	X	N/A	N/A
CURIS INC	SOLE	N/A	X	N/A	N/A
CYTRX	SOLE	N/A	X	N/A	N/A
D&B CORP	SOLE	N/A	X	N/A	N/A
DEERE & COMPANY	SOLE	N/A	X	N/A	N/A
DISNEY WALT CO	SOLE	N/A	X	N/A	N/A
EXXON MOBIL CORP	SOLE	N/A	X	N/A	N/A
FAVRILLE INC	SOLE	N/A	X	N/A	N/A
FIRST DATA CORPORATION	SOLE	N/A	X	N/A	N/A
FREEPORT-MCMORAN COPPER & GOLD INC	SOLE	N/A	X	N/A	N/A
GENAISSANCE PHARMACEUTICALS INC	SOLE	N/A	X	N/A	N/A
GUIDANT CORP	SOLE	N/A	X	N/A	N/A
HARRAH'S ENTERTAINMENT INC	SOLE	N/A	X	N/A	N/A
HEALTH MANAGEMENT ASSOCIATES INC-A	SOLE	N/A	X	N/A	N/A
INTEL CORP	SOLE	N/A	X	N/A	N/A
ISHARES MSCI EAFE INDEX FUND	SOLE	N/A	X	N/A	N/A
JOHNSON & JOHNSON	SOLE	N/A	X	N/A	N/A
JP MORGAN CHASE & CO	SOLE	N/A	X	N/A	N/A
LEHMAN BROTHERS HOLDINGS INC	SOLE	N/A	X	N/A	N/A
LEXICON GENETICS INC	SOLE	N/A	X	N/A	N/A
LIGAND PHARMACEUTICAL INC	SOLE	N/A	X	N/A	N/A
LOCKHEED MARTIN CORP	SOLE	N/A	X	N/A	N/A
MARATHON OIL CORP	SOLE	N/A	X	N/A	N/A
MBNA CORPORATION	SOLE	N/A	X	N/A	N/A
MEDTRONIC INC	SOLE	N/A	X	N/A	N/A
NASDAQ 100 INDEX TRACKING STOCK	SOLE	N/A	X	N/A	N/A
OMNICOM GROUP INC	SOLE	N/A	X	N/A	N/A
OPENWAVE SYSTEMS INC	SOLE	N/A	X	N/A	N/A
PEABODY ENERGY CORP	SOLE	N/A	X	N/A	N/A
QUALCOMM INC	SOLE	N/A	X	N/A	N/A
QUEST DIAGNOSTICS INC	SOLE	N/A	X	N/A	N/A
REGAL ENTERTAINMENT GROUP	SOLE	N/A	X	N/A	N/A
SCHLUMBERGER LTD	SOLE	N/A	X	N/A	N/A
SENOMYX INC	SOLE	N/A	X	N/A	N/A
SLM CORP	SOLE	N/A	X	N/A	N/A
SMITH INTERNATIONAL INC	SOLE	N/A	X	N/A	N/A
SPDR TRUST SERIES 1	SOLE	N/A	X	N/A	N/A
SPRINT CORPORATION (FON GROUP)	SOLE	N/A	X	N/A	N/A
STEMCELLS INC	SOLE	N/A	X	N/A	N/A

TAIWAN SEMICONDUCTOR MANUFACTURING CO.	SOLE	N/A	X	N/A	N/A
TIME WARNER INC	SOLE	N/A	X	N/A	N/A
TJX COMPANIES INC	SOLE	N/A	X	N/A	N/A
WESTERN WIRELESS CORPORATION	SOLE	N/A	X	N/A	N/A
YUM! BRANDS INC	SOLE	N/A	X	N/A	N/A

</TABLE>