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# Tufts Medicine: Shields PET/CT, LLC

Analysis of the Reasonableness of Assumptions and Feasibility of Tufts Medicine: Shields PET/CT, LLC

**REPORT DATED AUGUST 19, 2022** 



# **Table of Contents**

I.	Executive Summary	. 1
II.	Relevant Background Information	. 2
III.	Scope of Analysis	. 2
IV.	Sources of Information Utilized	. 3
V.	Review of the Financials	. 3
\/T	Feasibility	6





August 19, 2022

Mr. Paul Anderson Shields Health Care Group Crown Colony Park 700 Congress Street, Suite 204 Quincy, MA 02169

Dear Mr. Anderson,

Veralon Partners Inc. ("Veralon") performed an analysis of the prospective financial schedules prepared by Shields Health Care Group ("Shields" or "Management") for Tufts Medicine: Shields PET/CT, LLC (the "Applicant") or, as is referred to by the Massachusetts Department of Public Health Determination of Need ("MA DPH DoN") Application Instructions, the ("Proposed Project"). At this time, Shields intends to file a Determination of Need ("DoN") application to the Commonwealth of Massachusetts seeking approval for the Proposed Project.

This application includes a section regarding Financial Feasibility as referenced in the MA DPH DoN code section 100.210 specifically paragraph (A)(4) *Determination of Need Factors*. This Financial Feasibility component of the application provides "sufficient documentation of the availability of sufficient funds for capital and ongoing operating costs necessary to support the Proposed Project without negative impacts or consequences to the Applicant's Patient Panel." This report details our findings regarding the reasonableness of the assumptions used in preparation of the prospective financial schedules, and the feasibility of the Proposed Project based on the prospective financial schedules prepared Management for the operation of the Applicant.

This report is to be used by Shields in its DoN Application – Factor 4(a) and should not be distributed for any other purpose.

#### I. EXECUTIVE SUMMARY

The scope of our analysis was limited to reviewing six-year consolidated prospective financial schedules (the "Financials") prepared by Management for the operation of the Applicant. The Financials are shown in the Appendix.

The Financials reflect positive operating margins and positive year-end cash balances in each of the six years presented. Based on our review of the relevant documents and analysis of the Financials, we determined the assumptions used in the preparation of the Financials to be reasonable. Accordingly, we determined that the Proposed Project is feasible and sustainable, and not likely to have a negative impact on the patient panel or result in a liquidation of assets of the Applicant.

The COVID-19 Pandemic has disrupted the operating environment for nearly all businesses, and in particular, those operating in the healthcare industry. The below considerations, among others, have acutely impacted healthcare providers:

Mr. Paul Anderson August 19, 2022 Page 2

- A likely permanent elevation of salary and wage expense for clinical and administrative staff, compounded by labor shortages;
- The availability of staff to meet the demands of budgeted/planned patient volumes; and
- Supply chain difficulties, contributing to difficulty in obtaining certain supplies, as well as elevated supply expenditures.

Shields Management has represented that in the development of the Applicant's Financials and associated volume forecasts, they have taken into consideration the above factors and have considered the current and likely ongoing/future impact of the COVID-19 Pandemic.

#### II. RELEVANT BACKGROUND INFORMATION

Shields was founded in 1972 as a family owned and operated nursing home. In 1986, Shields opened its first MRI center. Shields currently operates over 40 centers across the New England area offering MRI and PET/CT services.

MelroseWakefield Hospital ("MelroseWakefield") is a not-for-profit community hospital with 234 licensed beds located in Melrose, Massachusetts, which offers an array of inpatient and outpatient services.

#### III. SCOPE OF ANALYSIS

The scope of this report is limited to an analysis of the Financials prepared by Management and the supporting documentation to render an opinion as to the reasonableness of assumptions used in the preparation and feasibility of the Financials. Reasonableness is defined within the context of this report as supportable and proper, given the underlying information. Feasibility is defined as based on the assumptions used, and that the plan is not likely to result in a liquidation of the underlying assets or the need for reorganization.

This report is based upon historical and prospective financial information provided to us by Management. If we had reviewed the underlying data, matters may have come to our attention that would have resulted in the use of amounts that differ from those provided by Management. Accordingly, we do not express an opinion or any other assurances on the underlying data presented or relied upon in this report. We do not provide assurance on the achievability of the results forecasted by Management because events and circumstances frequently do not occur as expected, and the achievement of the forecasted results are dependent on the actions, plans, and assumptions of Management. We reserve the right to update our analysis in the event that we are provided with additional information.

#### IV. SOURCES OF INFORMATION UTILIZED

In formulating our report, we reviewed the Financials as well as discussed corresponding assumptions with Management. The documents and information upon which we relied are identified below or are otherwise referenced in this report:

- Tufts Medicine: Shields PET/CT, LLC six-year Financials, prepared May 12, 2022;
- 2. Volume assumptions;
- 3. Payer mix of a similar market location to MelroseWakefield and per-case reimbursement assumptions;
- 4. The MA DPH DoN Guidelines (105 CMR 100.000);
- 5. Shields company website (www.shields.com); and
- **6.** MelroseWakefield website: (<a href="https://www.melrosewakefield.org/locations/melrosewakefield-hospital/">https://www.melrosewakefield.org/locations/melrosewakefield-hospital/</a>)

#### V. REVIEW OF THE FINANCIALS

This section of our report summarizes our review of the reasonableness of the assumptions utilized in preparing the Financials as well as the feasibility of the Applicant. Table 1 presents the key metrics (the "Key Metrics") reviewed in our analysis along with definitions.

Table 1

Summary of Key Metric Calculation Definitions													
<b>Key Metric</b>	Calculation												
Liquidity													
Current Ratio	Current Assets/Current Liabilities												
Days in Accounts Receivable	Net Patient Accounts Receivable/(Net Patient Service Revenue/365)												
Operating													
EBITDA	Net Income Plus: Interest, Taxes, Depreciation, and Amortization												
EBITDA Margin	EBIT DA/Net Revenue												

The Key Metrics used in this report fall into two categories: liquidity and operating metrics. Liquidity ratios measure the quality and adequacy of assets to meet current obligations as they come due. Operating ratios are used to assist in the evaluation of management performance. Table 2 shows the results of the Key Metric calculations for 2023 through 2028. Note that the key metrics in Table 2 do not include a debt service coverage calculation as there is no debt component as part of the Applicant.

Table 2

Tufts Medicine: Shields PET/CT, LLC Summary of Key Metrics														
		2023		2024		2025	2026	2027	2028					
Liquidity Ratios														
Current Ratio		15.0		6.9		6.2	5.6	6.1	6.4					
Days in Accounts Receivable		55.00		55.00		55.00	55.00	55.00	55.00					
Operating Ratios														
EBITDA	\$	580,305	\$	858,518	\$	974,535	\$1,078,490	\$ 1,151,311	\$ 1,232,399					
EBITDA Margin		37.9%		50.0%		51.5%	51.7%	52.3%	53.5%					

#### I. Revenues

To determine the reasonableness of the prospective revenues, we reviewed the underlying assumptions upon which Management relied. Based upon our discussions with Management, the prospective volume was based on an analysis of the Applicant's 2021 PET/CT volume trends plus an annual growth factor ranging from five percent to 12 percent annually. The prospective revenue per scan rates were determined based on actual 2021 payer mix and rates of a similar market location to MelroseWakefield.

We understand that the PET/CT scanner, to be located at 888 Main St, Wakefield, MA 01880, will be operational one day per week for 52 weeks of the year. Management estimated 2023 case volumes to be 605 based on current MelroseWakefield volume trends plus a growth factor. Management estimated that the Applicant would perform approximately 11.6 tests per day in 2023. Tests per day are assumed to increase to 17.4 by 2028. Management notes that hours of operation increase from 10 to 12 per day beginning in 2025. Management has represented that these volumes are in-line with Shields's other PET/CT ventures. Based upon our review of the volume assumptions, we determined that the prospective Applicant volumes provided by Management are reasonable.

Next, we reviewed the Financials to determine the reasonableness of the reimbursement rates selected for 2023 through 2028. Management provided supporting information used to prepare the Financials, including the payer mix of a similar market location to MelroseWakefield. Management based the budgeted reimbursement rate on a calculated weighted average of this location's payer mix and reimbursement rates. Shields noted that while contractual rate increases from their payers are possible, they are not guaranteed. As such, Management has held per-test reimbursement rates largely constant (2028 per test rates are 0.6% higher than 2023 per test rates) for the Applicant. Based upon our review, we determined the reimbursement rates provided by Management are reasonable for the Applicant.

It is our opinion that the revenue growth estimated by Management reflects a reasonable estimate of future revenues of the Applicant based on estimated volumes and reimbursement.

### II. Expenses

We analyzed the expense categories included in the Financials for reasonableness. Generally, our approach included a review of the total expenses for each category, a calculation of a compound annual growth rate ("CAGR") to analyze year-over-year trends, and consideration to the extent that each expense item is tied to volume or more fixed in nature. Below are the expense categories provided in the Financials along with relevant findings.

### Operating Expenses

Operating expenses include support services, billing, and bad debt expense. Management projected bad debt expenses that are notably higher in 2023 to account for Medicare and Medicaid services that are not anticipated to be reimbursable for the first month of operations for the Applicant until accreditation is obtained from the American College of Radiology ("ACR").

Mr. Paul Anderson August 19, 2022 Page 5

The ACR website states, "Accreditation evaluation [is] typically completed within 60 days or less of image submission." Based upon our discussions with Management, when applying for accreditation for other similar projects, accreditation is typically achieved within two weeks. Accordingly, we determined Management's one-month estimate to obtain accreditation in the Financials is reasonable, and therefore, the corresponding bad debt expense is also reasonable.

We calculated an operating expense (including support services, billing, and bad debt expense) CAGR for 2024 through 2028 of 7.6 percent for the Applicant. 2023 was not included in the CAGR calculation due to the previously cited higher bad debt expenses. Bad debt expense for the Applicant in 2028 was \$36,858.

#### Facilities & Equipment Related Expenses

Facilities and equipment-related expenses include equipment-related expenses, depreciation, and other facility & equipment expenses. No facilities-related expenses were projected in 2023 through 2028 and equipment-related expenses remain steady at \$285,560 during the same time period.

#### Service-Related Expenses

Service-related expenses include FDG (fludeoxyglucose) charges, specialty isotope, and other service related expenses. These expenses are projected to increase steadily between 2023 and 2028, representing a CAGR of 9.2 percent.

#### Salaries & Benefits

Salaries and benefits include radiology, technologists, and operations expense. We calculated a CAGR of 9.3 percent from 2023 through 2028 and found this to be a reasonable assumption.

#### Selling, General & Administrative ("SG&A") Expenses

SG&A expenses include support services, management fees, and other SG&A expenses. We calculated a CAGR of 6.6 percent from 2024 through 2028. 2023 was not included in the CAGR calculation due to the estimated start-up costs of initiating operations, such as legal fees, and Community Health Needs Assessment ("CHNA"), etc.

#### Interest Expense

We note that there is no interest expense for the Applicant.

Based upon our review of the prospective expenses for the Applicant, we did not find that the underlying inputs warranted additional adjustment. Accordingly, it is our opinion that the operating expenses estimated by Management are reasonable.

<sup>&</sup>lt;sup>1</sup> https://www.acr.org/Clinical-Resources/Accreditation

#### III. Capital Expenditures and Cash Flows

We reviewed the capital expenditures and future cash flows to determine whether sufficient funds would be available to sustain the operation of the Applicant.

For the Applicant, there are \$25,000 in capital asset acquisitions in 2023. There are no capital expenditures expected from 2024 through 2028. Accordingly, we determined that the prospective capital requirements and resulting impact on the cash flows are reasonable.

#### VI. FEASIBILITY

We analyzed the Financials and the associated Key Metrics and determined both to be based on reasonable assumptions. The Financials do not account for any anticipated changes in accounting standards. These standards, which may have a material impact on individual future years, are not anticipated to have a material impact on the feasibility of the Proposed Project.

The Applicant exhibits cash surpluses in the Financials, after any scheduled distributions, in each of the six years. Based on our discussions with Management, it is our understanding that distributions could be reduced in the event of a business downturn or interruption to increase the cash reserves of the Applicant.

Based upon our review of the relevant documents, we determined the Financials are based upon feasible assumptions. Accordingly, we determined that the Financials are feasible and sustainable and not likely to have a negative impact on the patient panel or result in a liquidation of assets of the Applicant.

Respectively submitted,

Daniel M. Grauman, MBA, CPA/ABV

Managing Director & CEO Veralon Partners Inc.

Appendix: The Financials

# **FINANCIALS**

# **Statement of Profit and Loss**

						Ţ		e: Shields P of Profit an														
2023					2	 2025				20		2027				2028						
		Total	P	er Scan	Total	P	er Scan	Total		Per Scan		Total		Per Scan		Total	P	er Scan		Total	Pe	r Scan
Total Volume		605			678			746				821				862				905		
Revenue Net Patient Revenue	\$	1,530,685			\$ 1,717,356			\$ 1,892,478			\$	2,085,612		9	\$	2,200,336			\$	2,303,612		
Total Revenue	\$	1,530,685			\$ 1,717,356			\$ 1,892,478			\$	2,085,612		9	5	2,200,336			\$	2,303,612		
Annual Change (%)		na			12.2%	,		10.2%				10.2%				5.5%				4.7%		
Expenses Operating Expenses Support Services - Operations Billing Bad Debt Expense	\$	9,057 8,045 91,091	\$	15 13 151	\$ 10,150 9,016 27,478	\$	15 13 41	\$ 11,168 9,920 30,280	\$	15 13 41	\$	12,291 10,917 33,370	\$	15 \$ 13 41	5	12,905 11,462 35,205	\$	15 13 41	\$	13,549 12,034 36,858	\$	15 13 41
Total Operating Expenses	\$	108,193	\$	179	\$ 46,644	\$	69	\$ 51,368	\$	69	\$	56,578	\$	69 9	5	59,573	\$		\$	62,441	\$	69
Annual Change (%)		па			-56.9%			10.1%				10.1%				5,3%				4.8%		
Facilities and Equipment Related Equipment Related Facilities Related Depreciation Expense	\$	285,560 - 5,000	\$	472 - 8	\$ 285,560 - 5,000	\$	421 - 7	\$ 285,560 - 5,000	\$	383 - 7	\$	285,560 - 5,000	\$	348 \$ - 6	5	285,560 - 5,000	\$	331 - 6	\$	285,560	\$	316 - -
Other Facility & Equipment		6,050		10	6,780		10	7,460		10		8,210		10		8,620		10		9,050		10
Total Facilities and Equipment Related	\$	296,610	\$	437	\$ 297,340	\$	391	\$ 298,020	\$	356	\$	298,770	\$	324 \$	5	299,180	\$	309	\$	294,610	\$	290
Annual Change (%)		na			0.2%	•		0.2%				0.3%				0.1%				-1.5%		
Service Related FDG Charges Specialty Isotope Equipment Maintenance	\$	72,600 95,772	\$	120 158	\$ 81,360 107,265	\$	120 158	\$ 89,520 118,758	\$	120 159	\$	98,520 134,081	\$	120 \$ 163	5	103,440 153,236	\$	178	\$	153,236	\$	120 169
Other Service Related		3,025		5	3,390		5	3,730		5		4,105		5		4,310		5		4,525		5
Total Service Related	\$	171,397	\$	283	\$ 192,015		283	\$ 212,008	\$	284	\$	236,706	\$	288 \$	5	260,986	\$	303	\$	266,361	\$	294
Annual Change (%)		na			12.0%	•		10.4%				11.6%				10.3%				2.1%		
Salary and Benefits - Operations Radiology Technologists Operations	\$	7,198 74,087 38,314	\$	12 122 63	\$ 8,449 74,087 42,714	\$	12 109 63	\$ 9,311 85,363 46,777	\$	12 114 63	\$	10,261 119,190 51,210	\$	12 \$ 145 62	•	10,826 119,190 53,679	\$	13 138 62	\$	11,334 119,190 56,128	\$	13 132 62
Total Service Related	\$	119,599	\$	198	\$ 125,250	\$	185	\$ 141,451	\$	190	\$	180,661	\$	220 \$	5	183,694	\$	213	\$	186,651	\$	206
Annual Change (%)		na			4.7%	,		12.9%				27.7%				1.7%				1.6%		
Total Operating Expenses Annual Change (%)	\$	695,800 na	\$	1,096	\$ 661,249 -5.0%		927	\$ 702,846 6.3%	\$	899	\$	772,715 9.9%	\$	902 \$	•	803,432 4.0%	\$	894	\$	810,063 0.8%	\$	859
Selling, General, and Administrative Expenses Support Services - SG&A Management Fee SG&A - Other	\$	48,451 100,772 110,357	\$	80 167 182	\$ 54,298 118,291 30,000	\$	80 174 44	\$ 59,743 130,354 30,000	\$	80 175 40	\$	65,750 143,657 30,000	\$	80 \$ 175 37	•	69,033 151,559 30,000	\$	80 176 35	\$	72,477 158,673 30,000	\$	80 175 33
Total SG&A	\$	259,580	\$	402	\$ 202,589	\$	299	\$ 220,097	\$	295	\$	239,407	\$	292 \$	5	250,592	\$	291	\$	261,150	\$	289
Annual Change (%)		na			-22.0%	,		8.6%				8.8%				4.7%				4.2%		
Other Income, Expenses, and Taxes Interest Expense Other (Income)/Expense Misc Taxes	\$	- - -	\$	- - -	\$ - - -	\$	-	\$ - - -	\$	- - -	\$	- - -	\$	- \$ - -	•	- - -	\$	- - -	\$	- - -	\$	-
Total Other Income, Expenses, and Taxes	\$	-	\$	-	\$ -	\$	-	\$ -	\$	-	\$	-	\$	- 9	5	-	\$	-	\$	-	\$	-
Annual Change (%)		na			na	,		na				па				na				na		
Total Expenses	\$	955,380	\$	1,579	\$ 863,838	\$	1,274	\$ 922,944	\$	1,237	\$	1,012,122	\$	1,233 \$	\$	1,054,025	\$	1,223	\$	1,071,212	\$	1,184
Net Income (Loss)	\$	575,305	\$	951	\$ 853,518	\$	1,259	\$ 969,535	\$	1,300	\$	1,073,490	\$	1,308	\$ 1	,146,311	\$	1,330	\$	1,232,399	\$	1,362
Annual Change (%)  Source: Shields management.		na			48.4%	,		 13.6%				10.7%				6.8%				7.5%		

<sup>1</sup>Source: Shields management.

# **Balance Sheet**

Tufts Medicine: Shields PET/CT, LLC													
			ce :	Sheet <sup>1</sup>									
		2023		2024		2025		2026		2027		2028	
Assets Current Assets Cash Accounts Receivable Doubtful Accounts Other Current Assets	\$	815,618 230,651 (76,115)	\$	252,346 258,780 (85,397)	\$	212,717 285,168 (94,105)	\$	175,818 314,270 (103,709)	\$	218,793 331,557 (109,414)	\$	242,307 347,120 (114,549) -	
Total Current Assets	\$	970,155	\$	425,729	\$	403,779	\$	386,379	\$	440,936	\$	474,877	
Property and Equipment Less: Accumulated Depreciation	\$	25,000 (5,000)	\$	25,000 (10,000)	\$	25,000 (15,000)	\$	25,000 (20,000)	\$	25,000 (25,000)	\$	25,000 (25,000)	
Net Property and Equipment	\$	20,000	\$	15,000	\$	10,000	\$	5,000	\$	-	\$	-	
Due from Partners	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
Total Assets	\$	990,155	\$	440,729	\$	413,779	\$	391,379	\$	440,936	\$	474,877	
Current Liabilities Current Maturities of LTD Current Maturities of Capital Leases Accounts Payable Accrued Expenses	\$	- - 64,850 -	\$	- - 61,906 -	\$	- - 65,421 -	\$	- - 69,531 -	\$	- - 72,778 -	\$	- - 74,319 -	
Total Current Liabilities	\$	64,850	\$	61,906	\$	65,421	\$	69,531	\$	72,778	\$	74,319	
Long Term Debt, Excluding Current Capital Lease Obligations, Excluding Current Due to Partners Owners Equity	\$	- - - 925,305	\$	- - - 378,823	\$	- - - 348,358	\$	- - - 321,848	\$	- - - 368,158	\$	- - - 400,558	
Total Liabilities and Shareholders' Equity	\$	990,155	\$	440,729	\$	413,779	\$	391,379	\$	440,936	\$	474,877	

<sup>&</sup>lt;sup>1</sup>Source: Shields management.

# **Statement of Cash Flows**

	Tufts Medicine		ields PET/0		LLC						
	2023		2024		2025		2026		2027		2028
Operating Activities Net Income Non-Cash Adjustment Depreciation	\$ 575,305 - 5,000	\$	853,518 - 5,000	\$	969,535 - 5,000	\$	1,073,490 - 5,000	\$	1,146,311 - 5,000	\$	1,232,399 - -
Total Cash from Operations	\$ 580,305	\$	858,518	\$	974,535	\$	1,078,490	\$	1,151,311	\$	1,232,399
Change in Accounts Receivable/Accounts Payable Change in Other Current Assets Change in Due To/From	\$ (89,687) - -	\$	(21,790) - -	\$	(14,164) - -	\$	(15,389) - -	\$	(8,336) - -	\$	(8,886) - -
Net Cash for/from Operations	\$ 490,618	\$	836,728	\$	960,370	\$	1,063,101	\$	1,142,975	\$	1,223,514
Investing Activities Capital Asset Acquisitions - DON	\$ (25,000)	\$	-	\$	-	\$	-	\$	-	\$	-
Net Cash for/from Operations	\$ (25,000)	\$	-	\$	-	\$	-	\$	-	\$	-
Financing Activities Proceeds from Leases/Loans Repayments on Leases/Loans	\$ -	\$	- -								
Net Cash for/from Financing	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-
Cash Contributions (Shields) Cash Contributions (Partners) Cash Distributions (Shields) Cash Distributions (Partners)	\$ 122,500 227,500 - -	\$	- (490,000) (910,000)	\$	- (350,000) (650,000)	\$	- (385,000) (715,000)	\$	- (385,000) (715,000)	\$	- (420,000) (780,000)
Net Cash Used for Distributions	\$ 350,000	\$	(1,400,000)	\$	(1,000,000)	\$	(1,100,000)	\$	(1,100,000)	\$	(1,200,000)
Net Increase (Decrease) in Cash	\$ 815,618	\$	(563,272)		(39,630)		(36,899)		42,975	\$	23,514
Cash at Beginning of Period Cash at End of Period	\$ - \$ 815,618	\$ \$	815,618 252,346	\$ \$	252,346 212,717	\$ \$	212,717 175,818	\$ \$	175,818 218,793	\$ \$	218,793 242,307

<sup>1</sup>Source: Shields management.