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

Form 6-K

Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16 under the Securities Exchange Act of 1934

For the month of February 2019

Commission File Number 001-37626

Mesoblast Limited

(Exact name of Registrant as specified in its charter)

Not Applicable (Translation of Registrant's name into English)

Australia (Jurisdiction of incorporation or organization)

Silviu Itescu Chief Executive Officer and Executive Director Level 38 55 Collins Street

Melbourne 3000 Australia (Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F:

Form 20-F 🛛 Form 40-F 🗆

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): Yes 🗆 No 🗹

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Yes 🗆 No 🗵

INFORMATION CONTAINED ON THIS REPORT ON FORM 6-K

On February 21, 2019, Mesoblast Limited filed with the Australian Securities Exchange a new release announcement and investor presentation, which are attached hereto as Exhibit 99.1 and Exhibit 99.2, and is incorporated herein by reference.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly organized.

MESOBLAST LIMITED

/s/ Charlie Harrison

Charlie Harrison Company Secretary

Dated: February 21, 2019

INDEX TO EXHIBITS

<u>Item</u> 99.1 99.2

Press release of Mesoblast Ltd, dated February 21, 2019. Investor presentation of Mesoblast Ltd, dated February 21, 2019.



MESOBLAST REPORTS FINANCIAL RESULTS AND OPERATIONAL HIGHLIGHTS FOR THE FIRST HALF ENDED DECEMBER 31, 2018

Strong cash reserves as Company prepares for potential US launch of remestemcel-L

Melbourne, Australia, February 21, 2019 and New York, USA, February 20, 2019: Mesoblast Limited (ASX:MSB; Nasdaq:MESO) today reported its financial results and operational highlights for the six months ended December 31, 2018. Pro-forma cash on hand at December 31, 2018 was US\$92.0 million (A\$130.0 million).

Chief Executive Dr Silviu Itescu said: "The highlights from the half year include completion of enrollment in our major cardiovascular Phase 3 trial, execution of our cardiovascular partnership in China, and continued revenue growth from product sales by our licensee in Japan for treatment of acute graft versus host disease (aGVHD). Our focus in the coming period is on obtaining FDA approval for and ensuring a successful commercial launch of remestencel-L for aGVHD in the United States."

Corporate Highlights for the Six Months Ended December 31, 2018 (first half FY2019):

- After demonstrating strong survival benefits through Day 180, Mesoblast held two successful end-of-phase meetings with the FDA covering clinical and manufacturing aspects of the upcoming Biologics License Application (BLA) for
 remestemcel-L in the US for use in children with steroid-refractory aGVHD.
- The Company now has a meeting scheduled with the FDA in April 2019 and is on track to subsequently initiate a BLA filing for marketing authorization.
- Mesoblast's Phase 3 trial in chronic heart failure completed patient enrollment, with 566 patients randomized to receive Revascor or placebo. The study, conducted across 55 centers in North America, will complete when sufficient primary endpoint events have accrued, which is likely to be within 12 months.
- Mesoblast completed its transaction with Tasly Pharmaceutical Group (Tasly) to establish a strategic cardiovascular partnership in China, and received US\$40 million on closing.
- Mesoblast and Tasly held their first Joint Steering Committee meeting, with a shared objective to initiate a clinical study in China using similar clinical endpoints and targeting a similar patient population as in Mesoblast's North American Phase 3 trial. Tasly and Mesoblast will leverage each other's clinical trial results to support their respective regulatory submissions.
- The National Institutes of Health (NIH) sponsored 159-patient trial of Revascor in end-stage heart failure patients with a left ventricular assist device (LVAD) achieved a 76% reduction in major gastrointestinal (GI) bleeding events and a 65% reduction in associated hospitalizations. Under the Regenerative Medicine Advanced Therapy (RMAT) designation for this indication, Mesoblast has received guidance from the FDA that reduction in GI bleeding and related hospitalizations is a clinically meaningful outcome that could support product registration.
- Mesoblast has expanded its partnership with Japan's JCR Pharmaceuticals Co. Ltd. (JCR) for the treatment of wound healing in epidermolysis bullosa (EB). Having been granted Orphan Regenerative Medical Product designation for EB in October, JCR now intends to seek a label extension for TEMCELL®1 HS. Inj. in Japan for EB beyond its existing approval for the treatment of aGVHD.
- Management has been expanded to build a commercial team to support the Company's launch plans for remestemcel-L and operational leadership to drive product life cycle management, commercial manufacturing and regulatory interactions.

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 United States Operations

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Asia 20 Biopolis Way #05-01 Centros Biopreneur 3 SINGAPORE 138668 T +65 6570 0635 F +65 6570 0176 The Board of Directors is undergoing a structured succession plan and has brought on two new US-based Directors with proven expertise in product commercial launches, reimbursement and health system economics.

Upcoming Milestones in Second Half FY2019:

- Mesoblast intends to initiate BLA filing for marketing authorization of remestemcel-L following its FDA meeting scheduled for April 2019.
- Mesoblast's partner Tasly is planning to meet with the National Medical Products Administration of China to discuss the regulatory approval pathway for Revascor in China. .
- Mesoblast intends to meet with the FDA to discuss the pathway for approval of Revascor for the reduction in GI bleeding in patients with LVADs.
- All patients in Mesoblast's Phase 3 trial in MPC-06-ID for chronic lower back pain will complete their 12-month assessment for safety and efficacy.

Key Financial Highlights for First Half FY2019:

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- Pro forma cash of US\$92.0 million at December 31, 2018.
 - This includes US\$15.0 million received in January 2019 from Hercules Capital, Inc. (Hercules) after having successfully achieved the clinical milestone of reduction in major GI bleeding events and related hospitalizations in the 0 NIH trial of Revascor in end stage heart failure patients with LVADs;
 - Additional non-dilutive capital of US\$35.0 million may be available under existing arrangements with Hercules and NovaQuest Capital Management, L.L.C. (NovaQuest), subject to certain milestones.
- 43% increase in royalty income on sales of TEMCELL for aGVHD in Japan.
- Stable revenue of US\$13.5 million, compared with US\$14.6 million in the first half of FY2018.
- Increased investment in commercial manufacturing of US\$8.0 million in preparation for potential aGVHD approval. •
- 50% reduction in net operating cash outflows in the first half of FY2019 to US\$17.5 million.

Detailed Financial Results for the Six Months Ended December 31, 2018 (first half FY2019):

Mesoblast Limited ABN 68 109 431 870 www.mesoblast.com

- Revenues were US\$13.5 million for the first half FY2019, compared with US\$14.6 million for the first half FY2018, a decrease of US\$1.1 million primarily due to:
 - 0 US\$10.0 million milestone revenue recognized in the first half FY2019 in relation to establishing a partnership with Tasly in China, compared with US\$11.8 million milestone revenue recognized in the first half FY2018 in relation to the patent license agreement with Takeda Pharmaceutical Company Limited
 - US\$3.2 million royalties and milestones revenue recognized in the first half FY2019 from sales of TEMCELL by our licensee in Japan, JCR, compared with US\$2.6 million in the first half FY2018, an increase of US\$0.6 million. 0 Royalty income from TEMCELL increased by 43% for the first half FY2019.
- Research and Development expenses were US\$34.0 million for the first half FY2019, compared with US\$31.6 million for the first half FY2018, an increase of US\$2.4 million (8%) as the Company invested in its lead clinical programs.

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- Manufacturing expenses were US\$9.7 million for the first half FY2019, compared with US\$1.7 million for the first half FY2018, an increase of US\$8.0 million due to an increase in commercial manufacturing in preparation for GVHD approval.
- Management and Administration expenses were US\$10.7 million for the first half FY2019, compared with US\$10.6 million for the first half FY2018, an increase of only US\$0.1 million (1%).
- Finance Costs of US\$5.1 million related to loan and security agreements entered into with Hercules in March 2018 and NovaQuest in June 2018. No interest expense was recognized in the first half FY2018.

Additional components of loss after income tax also include movements in other items which did not impact current cash reserves, such as income tax benefits, fair value remeasurement of contingent consideration, remeasurement of borrowing arrangements and foreign exchange movements within other operating income and expenses.

In the first half FY2019 the Company reported a US\$44.1 million loss after tax compared to a profit after tax of US\$6.7 million for the first half FY2018. The increase in the loss is primarily due to, in the current period, investment in commercial manufacturing of US\$6.0 million in preparation for GVHD approval, and an increase of US\$5.1 million in finance costs; and in comparison period of first half FY2018 the Company recognized a one-off non-cash income tax benefit of US\$23.0 million due to a revaluation of tax liabilities given changes in tax rates and a non-cash US\$6.7 million gain on contingent consideration for reduction of future payments to third parties. The net loss attributable to ordinary shareholders was 9.08 cents loss per share, for the first half FY2019, compared with 1.46 cents earnings per share, for the first half of FY2018.

1TEMCELL® HS Inj. is a registered trademark of JCR Pharmaceuticals Co. Ltd.

Conference Call Details

There will be a webcast today on the financial results beginning at 4.30pm on Wednesday, February 20 EST; 8:30am on Thursday, February 21, 2019 AEDT.

The live webcast can be accessed via https://webcasting.boardroom.media/broadcast/5c6107137e5a7b7d6e8941e4

To access the call only, dial 1 855 881 1339 (U.S.), 1 800 558 698 (toll-free Australia) or +61 2 9007 3187 (outside of the U.S. and Australia). The conference identification code is 774100.

The archived webcast will be available on the Investor page of the Company's website: www.mesoblast.com

About Mesoblast

Mesoblast Limited (ASX: MSB; Nasdaq: MESO) is a world leader in developing allogeneic (off-the-shelf) cellular medicines. The Company has leveraged its proprietary technology platform to establish a broad portfolio of late-stage product candidates with three product candidates in Phase 3 trials – acute graft versus host disease, chronic heart failure and chronic low back pain due to degenerative disc disease. Through a proprietary process, Mesoblast selects rare mesenchymal lineage precursor and stem cells from the bone marrow of healthy adults and creates master cell banks, which can be industrially expanded to produce thousands of doses from each donor that meet stringent release criteria, have lot to lot consistency, and can be used off-the-shelf without the need for tissue matching. Mesoblast has facilities in Melbourne, New York, Singapore and Texas and is listed on the Australian Securities Exchange (MSB) and on the Nasdaq (MESO). <u>www.mesoblast.com</u>

A	Mesoblast Limited ABN 68 109 431 870 www.mesoblast.com	Corporate Headquarters Level 38 55 Collins Street Melbourne 3000 Victoria Australia	United States Operations 505 Fifth Avenue Third Floor New York, NY 10017 USA	Asia 20 Biopolis Way #05-01 Centros Biopreneur 3 SINGAPORE 138668
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Forward-Looking Statements

This announcement includes forward-looking statements that relate to future events or our future financial performance and involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to differ materially from any future results, levels of activity, performance or achievements to differ materially from Act of 1995 and other federal securities laws. Forward-looking statements build not be read as a guarantee of future performance or results, and actual results may differ from the results anticipated in these forward-looking statements provisions of the Private Securities laws. Forward-looking statements include, but are not limited to, statements about: the initiation, timing, progress and results of Mesoblast's preclinical and clinical studies, and Mesoblast's research and development programs; Mesoblast's product candidates, if any are approved, to be withdrawn from the market due to patient adverse events or dealts; the potential benefits of strategic collaborations; Mesoblast's product candidates, if any are approved, to be withdrawn from the market due to patient adverse events or dealts; the potential benefits of strategic collaborations; Mesoblast's ability to establish and maintain intellectual property on its product candidates, of Mesoblast's explored the caldidates and mesoblast's ability to successfully define these in cases of alleged infringement; the scope of protection Mesoblast's noduct candidates, if any reapproved, to establish and maintain intellectual property rights covering its product candidates, if proved. You should candidates of Mesoblast's expenses, future revenues, capital requirements and its needs for additional financing; Mesoblast's ability to establish and maintain intellectual property on its product candidates, if approved, to establish and maintain from intellectual property rights covering its product candidates of Mesoblast's expenses, future revenues, capital requirements and its needs f

For further information, please contact:

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Consolidated Income Statement

		Three Months E		Six Months En	
in U.S. dollars, in thousands, except per share amount)		December 3 2018	2017	December 31 2018	2017
Revenue		1,870	13,397	13,507	14,57
Research & development		(15,488)	(16,222)	(33,975)	(31,59
Aanufacturing commercialization		(5,401)	(801)	(9,717)	(1,67
Aanagement and administration		(5,126)	(5,643)	(10,742)	(10,65
air value remeasurement of contingent consideration		(11)	(793)	(634)	8,70
Other operating income and expenses		(827)	423	(978)	1,09
inance costs		(2,486)	_	(5,139)	-
Loss before income tax		(27,469)	(9,639)	(47,678)	(19,55
ncome tax benefit		2,865	23,342	3,575	26,24
Loss)/profit attributable to the owners of Mesoblast Limited		(24,604)	13,703	(44,103)	6,68
Losses)/earnings per share from continuing operations attributable to the ordinary equity holders of the Group:		Cents	Cents	Cents	Cents
Basic - (losses)/earnings per share		(5.00)	2.91	(9.08)	1.4
Diluted - (losses)/earnings per share		(5.00)	2.91	(9.08)	1.4
Julieu - (losses)/earlings per share		(0.00)		· · ·	
Consolidated Statement of Comprehensive Income		()			
		Three Months F December 3		Six Months En December 31	
		Three Months F			
Consolidated Statement of Comprehensive Income		Three Months F December 3	1,	December 31	, 2017
Consolidated Statement of Comprehensive Income		Three Months F December 3 2018	1, 2017	December 31 2018	, 2017
in U.S. dollars, in thousands) Loss)/profit for the period		Three Months F December 3 2018	1, 2017	December 31 2018	,
in U.S. dollars, in thousands) Loss)/profit for the period Dther comprehensive (loss)/income tems that may be reclassified to profit and loss Changes in the fair value of financial assets		Three Months F December 3 2018	1, 2017	December 31 2018	, 2017
Consolidated Statement of Comprehensive Income in U.S. dollars, in thousands) Loss)/profit for the period Jther comprehensive (loss)/income tems that may be reclassified to profit and loss		Three Months F December 3 2018 (24,604)	1,	December 31 2018 (44,103)	, 2017 6,68
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Consolidated Statement of Comprehensive Income in U.S. dollars, in thousands) Loss//profit for the period Dther comprehensive (loss)/income tems that may be reclassified to profit and loss Changes in the fair value of financial assets Exchange differences on translation of foreign operations Dther comprehensive (loss)/income for the period, net of tax		Three Months F December 3 2018 (24,604) 108 (160)	1, 2017 13,703 47 (385)	December 31 2018 (44,103) 195 (183)	2017 6,68 6 (50
Consolidated Statement of Comprehensive Income in U.S. dollars, in thousands) Loss)/profit for the period Other comprehensive (loss)/income tems that may be reclassified to profit and loss Changes in the fair value of financial assets Exchange differences on translation of foreign operations Other comprehensive (loss)/income for the period, net of tax Total comprehensive (losses)/income attributable to the owners of Mesoblast Limited Mesoblast Limited	Corporate Headquarters	Three Months F December 3 2018 (24,604) 108 (160) (52) (24,656) United States Operations	1, 2017 13,703 47 (385) (338) 13,365 Asia	December 31 2018 (44,103) 195 (183) 12 (44,091)	, <u>2017</u> 6,68 (50 (43
Consolidated Statement of Comprehensive Income in U.S. dollars, in thousands) Loss)/profit for the period Other comprehensive (loss)/income terms that may be reclassified to profit and loss Changes in the fair value of financial assets Exchange differences on translation of foreign operations Other comprehensive (loss)/income for the period, net of tax Fotal comprehensive (losses)/income attributable to the owners of Mesoblast Limited Mesoblast Limited ABN 68 109 431 870	Level 38 55 Collins Street	Three Months F December 3 2018 (24,604) (24,604) (160) (160) (52) (24,656) United States Operations 505 Fifth Avenue Third Floor	1, 2017 13,703 47 (385) (338) (338) 13,365 Asia 20 Biopolis Way #05-01 Centros	December 31 2018 (44,103) 195 (183) 12 (44,091)	, <u>2017</u> 6,68 (50 (43
Consolidated Statement of Comprehensive Income in U.S. dollars, in thousands) Loss)/profit for the period Other comprehensive (loss)/income tems that may be reclassified to profit and loss Changes in the fair value of financial assets Exchange differences on translation of foreign operations Other comprehensive (loss)/income for the period, net of tax Total comprehensive (losses)/income attributable to the owners of Mesoblast Limited Mesoblast Limited	Level 38	Three Months F December 3 2018 (24,604) 108 (160) (52) (24,656) United States Operations 505 Fifth Avenue	1, 2017 13,703 47 (385) (338) 13,365 Asia 20 Biopolis Way	December 31 2018 (44,103) 195 (183) 12 (44,091)	, 2017 6,68 6 (50 (43

Consolidated Statement of Balance Sheet

			As of December 31,	As of June 30,
in U.S. dollars, in thousands) Assets			2018	2018
Current Assets				
Cash & cash equivalents			77,022	37,763
Trade & other receivables			3,934	50,366
Prepayments			16,845	12,942
Total Current Assets			97,801	101,071
			57,001	101,071
Non-Current Assets				
Property, plant and equipment			871	1,084
Financial assets at fair value through other comprehensiv	re income		2,516	2,321
Other non-current assets			3,330	3,361
Intangible assets			583,815	584,606
Total Non-Current Assets			590,532	591,372
Total Assets			688,333	692,443
· · · · · ·				
Liabilities				
Current Liabilities			25 120	10.021
Trade and other payables			25,120	18,921
Provisions Desired single			5,594 3,095	5,082
Borrowings			33,809	24,003
Total Current Liabilities			33,009	24,003
Non-Current Liabilities				
Deferred tax liability			16,504	20,079
Deferred consideration			10,000	—
Provisions			43,076	42,956
Borrowings			60,387	59,397
Total Non-Current Liabilities			129,967	122,432
Total Liabilities			163,776	146,435
Net Assets			524,557	546,008
Equity			000.000	
Issued Capital			909,235	889,481
Reserves			39,617	36,719
(Accumulated losses)/retained earnings			(424,295)	(380,192)
Total Equity			524,557	546,008
Mesoblast Limited ABN 68 109 431 870	Corporate Headquarters Level 38	United States Operations 505 Fifth Avenue	Asia 20 Biopolis Way	
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Consolidated Statement of Cash Flows

	Six months ended December 31,	2017
(in U.S. dollars, in thousands) Cash flows from operating activities	2018	2017
Commercialization revenue received	2.101	1.080
Milestone payment received	26,409	6.125
Research and development tax incentive received	1,654	
Payments to suppliers and employees (inclusive of goods and services tax)	(46,186)	(42,593)
Interest received	293	192
Interest paid	(1,783)	_
Income taxes (paid)/refunded	(3)	(25)
Net cash (outflows) in operating activities	(17,515)	(35,221)
Cash flows from investing activities		
Investment in fixed assets	(112)	(137)
Payments for contingent consideration		(543)
Net cash (outflows) in investing activities	(112)	(680)
Cash flows from financing activities		
Proceeds from borrowings	28,950	_
Payments of transaction costs from borrowings	(1,546)	_
Proceeds from issue of shares	30,258	40,532
Payments for share issue costs	(607)	(2,603)
Net cash inflows by financing activities	57,055	37,929
Net increase in cash and cash equivalents	39,428	2,028
Cash and cash equivalents at beginning of period	37,763	45,761
FX (losses) on the translation of foreign bank accounts	(169)	(403)
Cash and cash equivalents at end of period	77,022	47,386

,	Mesoblast Limited ABN 68 109 431 870 www.mesoblast.com	Corporate Headquarters Level 38 55 Collins Street Metbourne 3000 Victoria Australia	Third Floor New York, NY 10017	Asia 20 Biopolis Way #05-01 Centros Biopreneur 3 SINGAPORE 138668
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Exhibit 99.2



Operational Highlights and Financial Results for the Half Year Ended December 31, 2018

February 2019

Nasdaq: MESO ASX: MSB



CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This presentation includes forward-looking statements that relate to future events or our future financial performance and involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements processed or implied by these forward-looking statements. We make such forward-looking statements of historical facts contained in this presentation are forward-looking statements of historical facts contained in this presentation are forward-looking statements. We make such forward-looking statements of historical facts contained in this presentation are forward-looking statements. We thave based these forward-looking statements largely on our current expectations and future events , recent changes in regulatory laws, and financial rends that we believe may affect our out limited to, business strategy and financial needs. These statements may relate to, but are not limited to expectations regarding the safety or efficacy of, or potential applications for, Mesoblast's adult stem cell technologies; expectations regarding the sterety of manufacturing processes; expectations about Mesoblast's ability to grow its business and statements concerning Mesoblast's capital requirements and ability to raise future capital, among others. Forward-looking statements any elider from the results and ball to raise future capital, among others. Forward-looking statements are verted to the see on our website. Uncertainties of no carcine presentation of guerrents and ability to grow its business and statements concerning Mesoblast's capital requirements and ability to raise future capital, among others. Forward-looking statements are verted thereto, as well as the risk factors, in our most recently filed reports with the SEC or on our website. Uncertainties and risks that may cause eventers are guerrent in the development and construte and construction of potential results receivation of potential results receivating aprovals or clearances; government regulation; t

Our Mission

Mesoblast is committed to bring to market innovative cellular medicines to treat serious and life-threatening illnesses

Premier Global Cellular Medicines Company

Innovative Technology Platform ¹	Late Stage Pipeline	Commercialization
 Innovative technology targets the most severe disease states refractory to conventional therapies Well characterized multimodal mechanisms of action Underpinned by extensive, global IP estate 	 Upcoming BLA submission for Steroid-Refractory Acute GVHD 2 blockbuster product candidates completed Phase 3 trial enrollment - heart failure and back pain China cardiovascular partnership established 	 Building focused U.S. sales force for GVHD product launch Industrial-scale manufacturing to meet commercial demand First approved products commercialized by licensees in Japan² and Europe³ Increasing revenues and milestone payments

Corporate Highlights for the Half Year

Remestemcel-L for Steroid Refractory Acute Graft Versus Host Disease

- After demonstrating strong survival benefits through Day 180, held two successful end-of-phase meetings with the FDA covering clinical and manufacturing aspects of the upcoming BLA filing
- Meeting scheduled with the FDA in April 2019 and on track to subsequently initiate filing
- Building an efficient and targeted sales force for product launch

Revascor for Advanced and End-Stage Heart Failure

- Phase 3 trial in chronic heart failure completed patient enrollment, with 566 patients randomized, and will
 complete when sufficient primary endpoint events have accrued, which is likely to be within 12 months
- First Joint Steering Committee meeting held with Tasly, objective to initiate a clinical study in China using similar clinical endpoints and targeting a similar patient population as in Mesoblast's North American Phase 3 trial
- NIH sponsored 159-patient trial of Revascor in end-stage heart failure patients with an LVAD achieved a 76% reduction in major GI bleeding events and a 65% reduction in associated hospitalizations
- FDA provided guidance that reduction in GI bleeding and related hospitalizations is a clinically meaningful outcome that could support product registration

Corporate Highlights for the Half Year

Financial

- Strengthened cash position through both corporate transactions and strategic financing
 US\$92 million pro forma cash on hand
- · Completed transaction with Tasly to establish a cardiovascular partnership in China, and received US\$40 million
- · Ramp up of manufacturing investment in preparation for registration and launch of remestemcel-L
- Increased product royalties from licensees

Board of Directors – Structured Succession Plan to Bring Complementary Skills

 Proven FDA product approval capabilities, commercial launch expertise, reimbursement and health system expertise and extensive global transactional record

Management – Expand to Support Commercial Launch Plans

- · Commercial leadership with proven track record to roll out launch team
- Operational leadership to drive product life cycle management, commercial manufacturing and regulatory interactions



Pro Forma Cash Position of US\$92 million

US\$m	December 31, 2018	June 30, 2018
Reported Cash on Hand	77.0	37.8
NovaQuest financing agreement	-	39.0
Tasly strategic partnership	-	40.0
Hercules-2 nd tranche	15.0	-
Pro forma cash on hand	92.0	116.8

- Pro forma cash on hand at December 31, 2018 includes US\$15.0 million received in January 2019 from Hercules Capital, Inc. after having successfully achieved the clinical milestone of reduction in major gastrointestinal bleeding (GI) events and related hospitalizations in the 159 patient trial of Mesoblast's product candidate Revascor in end stage heart failure patients with LVADs
- An additional US\$35.0 million may be available under existing arrangements with Hercules Capital and NovaQuest, subject to achievement of certain milestones

Significant reduction in Operating Net Cash Outflows

For the six months ending (US\$m)	December 31, 2018	December 31, 2017
Operating net cash outflows	(17.5)	(35.2)
Investing net cash outflows	(0.1)	(0.7)
Financing net cash inflows	57.0	37.9
Net increase in cash	39.4	2.0

- 50% (US\$17.7 million) reduction in net operating cash outflows for the six months ended December 31, 2018, primarily due to the timing of receipts of milestone payments
- Increase in financing net cash inflows from strategic transactions with Tasly and Novaquest

Revenues – continued growth in royalties and substantial milestone revenues from corporate transactions

For the six months ending (US\$m)	December 31, 2018	December 31, 2017
Milestone revenue	11.0	12.8
Commercialization revenue	2.2	1.6
Interest revenue	0.3	0.2
Total revenue	13.5	14.6

- 43% growth in commercialization revenue from royalty income on sales of TEMCELL® HS. Inj.¹
- Corporate transactions drive milestone revenues
 - o US\$10.0 million of milestone revenue from licensee Tasly Pharmaceutical Group in first half FY2019
 - o US\$11.8 million of milestone revenue from licensee Takeda Pharmaceuticals in first half FY2018

1. TEMCELL® HS Inj. is a registered trademark of JCR Pharmaceuticals Co. Ltd.

Increased loss due to investment in manufacturing and financing, and non-cash gains in comparable period from revaluation of tax and contingent consideration

Profit and Loss for the six months ending (US\$m)	December 31, 2018	December 31, 2017
Total Revenue	13.5	14.6
Research and development	(34.0)	(31.6)
Manufacturing	(9.7)	(1.7)
Management & administration	(10.7)	(10.7)
Contingent consideration	(0.6)	8.7
Other operating income & expenses	(1.0)	1.1
Finance costs	(5.1)	-
(Loss)/Profit before tax	(47.7)	(19.6)
Income tax benefit	3.6	26.2
(Loss)/Profit after tax	(44.1)	6.7

Increase in loss primarily due to the following items in the current period:

o increased investment in commercial manufacturing by US\$8.0 million in preparation for GVHD approval;

incurred US\$5.1 million of increased finance costs;

And the following items in the comparative period:

o a one-off non-cash income tax benefit of US\$23.0 million due to a revaluation of tax liabilities given changes in tax rates

o non-cash US\$8.7 million gain on contingent consideration for reduction of future payments to third parties;

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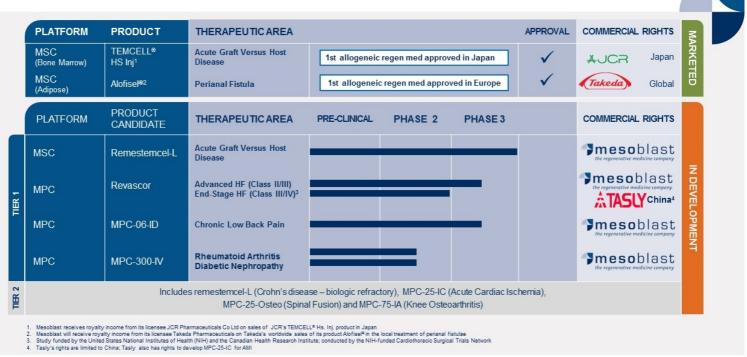


Operational highlights for the half year ended December 31, 2018



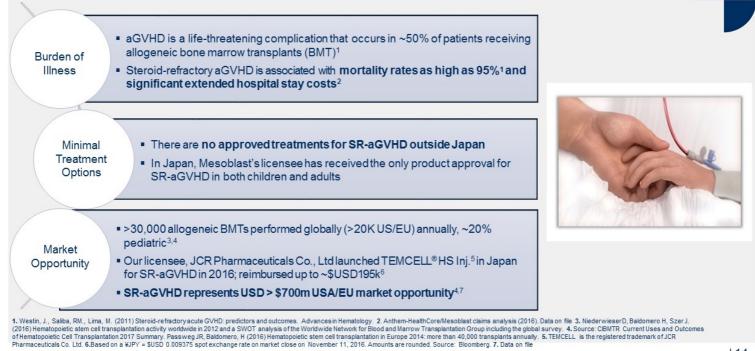
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Commercial and Late-Stage Product Pipeline



This chart is figurative and does not purport to show individual trial progress within a clinical program

Remestemcel-L: for SR Acute Graft Versus Host Disease (aGVHD)

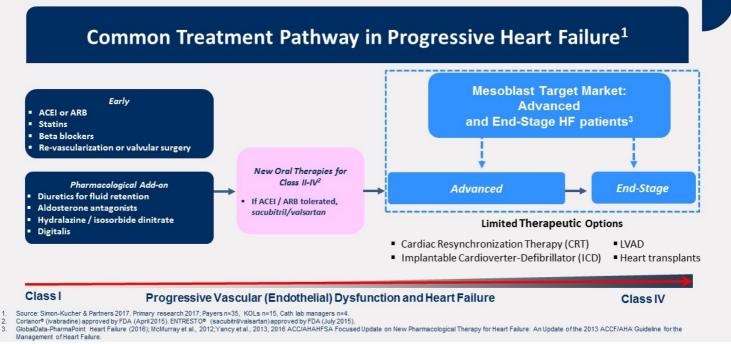


Remestemcel-L for SR Acute Graft Versus Host Disease: Commercial strategy overview

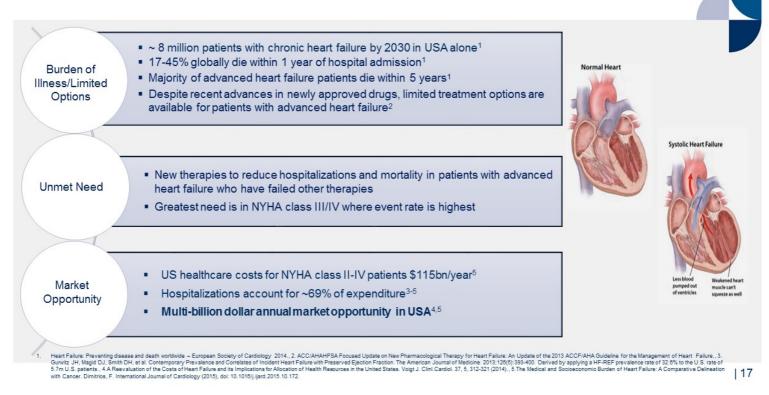
- TEMCELL® HS Inj. sales experience in Japan helps inform commercial strategy for the U.S.
- Fast Track designation provides eligibility for FDA priority review
- Commercialization strategy in place for product launch
- Building out efficient, targeted sales force

FDA Biologics License Application submission on track for early 2019

Revascor: Targeting patients with progressive heart failure despite maximal standard of care



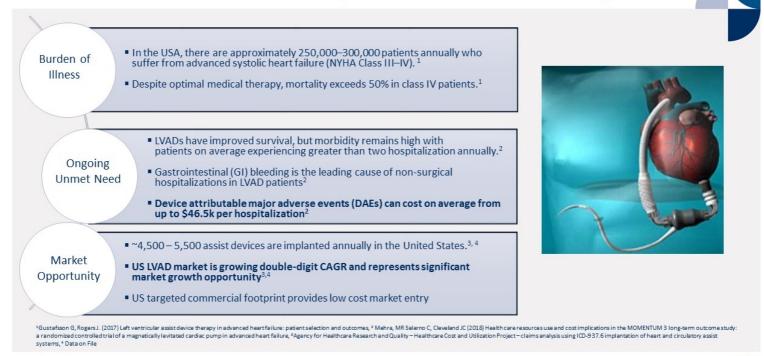
Revascor: Commercial Opportunity for Advanced Heart Failure Market



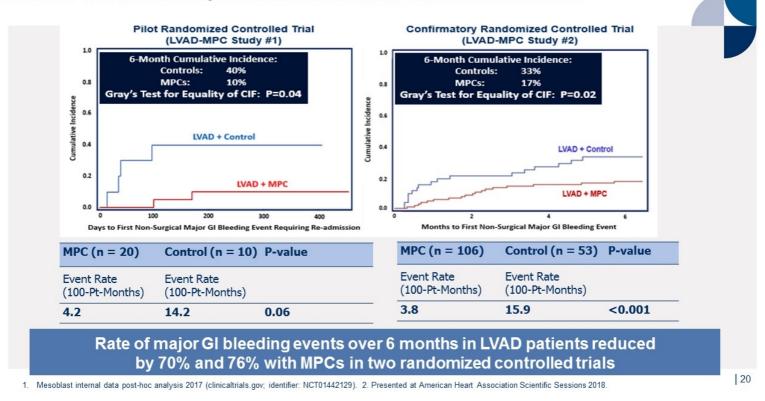
Revascor: Phase 3 Trial for Advanced Heart Failure Fully Enrolled

- Events-driven Phase 3 trial completes enrollment of 566 patients
- Evaluating a single dose of Revascor to reduce recurrent heart failure-related major adverse cardiac events such as heart failure-related hospitalizations and cardiac death
- Target patient population enriched for those likely to be both highest-risk for events and greatest responders to MPC therapy
- Trial will complete when sufficient primary endpoint events accrued, likely to be within 12 months from last patient dosed
- Trial design is 1:1 randomized, controlled, double blinded; conducted over 55 sites across North America

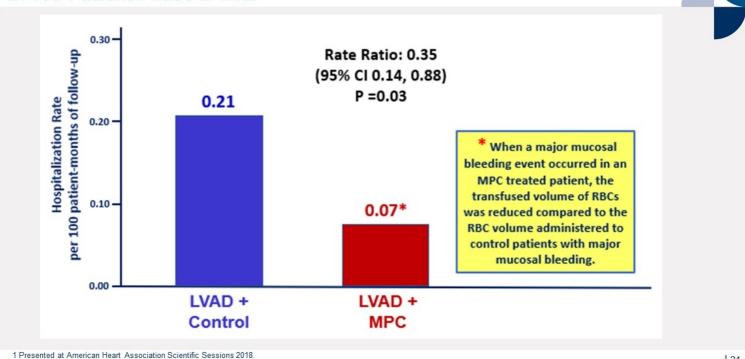
Revascor: Commercial Opportunity for Use in End-Stage Heart Failure Patients with LVADs to Reduce Hospitalizations from GI Bleeding



MPCs Prolong Time-to-First Major GI Bleeding Event and Reduce Cumulative Major GI Bleeding Events in Two Confirmatory Randomized Controlled Trials in LVAD Patients^{1,2}



MPCs Reduce Hospitalization Rate from GI Bleeding by 65% in 159-Patient Phase 2 Trial¹



Revascor (MPC-150-IM) Has Received RMAT Designation for Use In End-Stage Heart Failure Patients with LVADs

- Key benefits of the RMAT designation include:
 - Potential eligibility for priority review and accelerated approval
 - Potential to utilize surrogate endpoints for accelerated approval
 - Potential to utilize patient registry data and other sources of "real world evidence" for post approval studies, subject to approval by the FDA
- Mesoblast received guidance from FDA that reduction in major GI bleeding
 - is a clinically meaningful outcome
 - could be used as an endpoint to support product approval
- Mesoblast plans to meet with FDA in 1H 2019 to discuss pathway to filing for Biologics License Application (BLA)

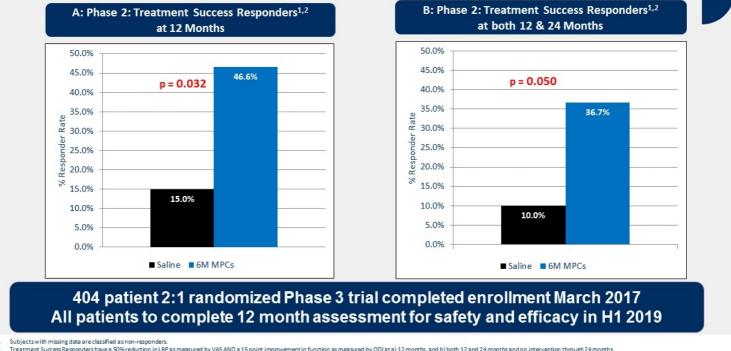
MPC-06-ID for Chronic Low Back Pain due to Disc Degeneration



1. Williams, J., NG, Nawi, Pelzter, K. (2015) Risk factors and disability associated with low back pain in older adults in low-and middle-income countries. Results from the WHO Study on global ageing and adult health (SAGE). PloS One. 2015; 10(6): e0127880., 2. Decision Resources: Pain Management Study, Chronic Pain December 2013., 3. Decision Resources: Chronic Pain December 2015., 4. LEK & NCI opinion leader interviews, and secondary analysis., 5. Navigant Commercial Assessment for a Proprietary Cell-Based Therapy for DDD in the U.S. and the EU3 – August 2014. 6. Data on File.

Chronic Low Back Pain MPC-06-ID

Post-Hoc Phase 2 results over 24 months provide target endpoints for Phase 3 trial



Subjects with missing data are classified as non-responders. Treatment Success Responders have a 50% reduction in LBP as measured by VAS AND a 15 point 1.

Key Milestones

Remestemcel-L for Acute Graft Versus Host Disease

- Successfully met all efficacy and safety endpoints through six months ✓
- Initiate BLA filing for marketing authorization following FDA meeting scheduled for April 2019
- Build out efficient and targeted sales force for product launch

Revascor for Advanced and End-Stage Heart Failure

- Phase 3 events-driven trial in advanced heart failure in North America completed 566 patient enrollment
- Primary endpoint events continue to accrue; likely to complete within 12 months
- Mesoblast's partner Tasly plans to meet in H1 CY19 with the National Medical Products Administration of China to discuss the regulatory approval pathway for Revascor in China
- Mesoblast plans to meet with FDA in H1 CY19 to discuss pathway for approval of Revascor for reduction in GI bleeding in patients with LVADs

MPC-06-ID for Chronic Low Back Pain

- Phase 3 trial completed enrollment (Q1 CY18) ✓
- All 404 patients in Mesoblast's Phase 3 trial in MPC-06-ID for chronic lower back pain will have completed their 12-month assessments for safety and efficacy in H1 CY19

Establish additional global and regional strategic and commercial licensing arrangements