
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 April 2021

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 April 30, 2021, Mesoblast Limited filed with the Australian Securities Exchange a new release announcement, which is attached hereto as [Exhibit 99.1](#), and is incorporated herein by reference.

On April 30, 2021, Mesoblast Limited filed with the Australian Securities Exchange a quarterly report for entities admitted on the basis of commitments (Appendix 4C) for the quarter ended March 31, 2021, which is attached hereto as [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: May 3, 2021

INDEX TO EXHIBITS

Item

- 99.1 Press release of Mesoblast Ltd, dated April 30, 2021.
- 99.2 Appendix 4C of Mesoblast Ltd, dated April 30, 2021.

REMESTEMCEL-L REDUCES MORTALITY IN PATIENTS LESS THAN 65 YEARS OLD WITH MODERATE/SEVERE COVID-19 ARDS: TOPLINE 60-DAY RESULTS FROM RANDOMIZED CONTROLLED TRIAL

- Remestemcel-L reduced mortality through 60 days in the pre-specified population under 65 years old
- In these patients the benefit was further increased when remestemcel-L was used with dexamethasone as part of standard of care
- Mortality reduction by remestemcel-L was accompanied by increased days alive off mechanical ventilation and reduced days in hospital
- Plan to meet with U.S. Food and Drug Administration (FDA) to discuss potential next steps

Melbourne, Australia; April 30 and New York, USA; April 29, 2021: Mesoblast Limited (ASX:MSB; Nasdaq:MESO), global leader in allogeneic cellular medicines for inflammatory diseases, today announced the 60 day results from the randomized controlled trial of remestemcel-L in 222 ventilator-dependent COVID-19 patients with moderate/severe acute respiratory distress syndrome (ARDS) which had been halted after the third interim analysis, as previously announced. Remestemcel-L reduced mortality through day 60 by 46% in the pre-specified group below age 65, but not in patients 65 or older. Remestemcel-L reduced mortality by 75% and increased days alive off mechanical ventilation in patients under age 65 when combined with dexamethasone, in comparison with controls on dexamethasone.

“Reduction in mortality in mechanically ventilated patients under 65 years old remains a critical unmet need since as many as 72% of currently hospitalized patients across the US with COVID-19 are in this age category.¹” said Mesoblast Chief Executive, Silviu Itescu. “This is similar to other causes of viral ARDS such as influenza where 70-80% of patients in intensive care units are under 65.^{2,3} The reduction in mortality seen with remestemcel-L in this age group highlights the potential to make a meaningful difference in the treatment of diseases of excessive inflammation.”

The trial enrolled 222 mechanically ventilated COVID-19 patients with moderate/severe ARDS across the US, of whom 217 were randomized 1:1 and received either standard of care alone or standard of care plus 2 intravenous infusions of remestemcel-L at a dose of 2 million cells/kg 3-5 days apart. This was the same remestemcel-L dosing regimen used in the earlier compassionate use program where 11 of 12 patients were younger than 65 and 75% successfully came off ventilatory support.

During the course of the trial, as the pandemic evolved, numerous changes occurred in treatment regimes. As a result, the referral pool of patients into the trial became progressively older with comorbidities and refractory to treatment. The median age in the trial increased from 59 in the first half to 67 in the second half, $p < 0.0001$ ^{4,5}. This may have impacted the outcome of the third interim analysis which resulted in the trial’s early conclusion. It is possible that to achieve mortality reduction in patients over 65 with comorbidities will require a different dosing regimen than that which may be effective in patients under 65.

Key findings in the trial were:

- Remestemcel-L reduced mortality by 46% through day 60 in the pre-specified population of 123 treated patients under age 65, 26% vs 42%, Hazard Ratio (HR) 0.54, 95% CI (0.286, 1.005), $p = 0.048$ ^{5,6}
- Remestemcel-L had similar treatment effects on mortality in these patients with either moderate ARDS (HR 0.56)^{6,7} or severe ARDS (HR 0.56)^{6,7}
- Standard of care changed during the course of the trial to incorporate dexamethasone, with only 2% of the first 50 patients enrolled receiving dexamethasone compared with 84% of the subsequent 172 patients; this allowed for additional exploratory analyses of remestemcel-L treatment effects in patients who received dexamethasone as part of their standard of care

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

Corporate Headquarters
 Level 38
 55 Collins Street
 Melbourne 3000
 Victoria Australia

T +61 3 9639 6036
 F +61 3 9639 6030

United States Operations
 505 Fifth Avenue
 Third Floor
 New York, NY 10017
 USA

T +1 212 880 2060
 F +1 212 880 2061

Asia
 21 Biopolis Road
 #01-22 Nucleos (South Tower)
 SINGAPORE 138567

T +65 6570 0635
 F +65 6570 0176

- Remestemcel-L reduced mortality through day 60 by 75% compared to controls in patients under 65 who received dexamethasone as part of their standard of care, 14% vs 45%, HR 0.25, 95% CI (0.085, 0.727), p=0.006^{5,6}
- Remestemcel-L increased days alive off ventilator within 60 days and reduced time to discharge from initial hospitalization compared to controls in patients under 65 who received dexamethasone as part of their standard of care, p=0.01 and p=0.005, respectively^{5,8}

“The mortality benefit observed with remestemcel-L in ventilator-dependent patients younger than 65, particularly in combination with dexamethasone, has the potential to change the treatment regimen in this critical patient population,” said Dr Fred Grossman, Chief Medical Officer of Mesoblast. “As cases continue to surge in younger patients across the US, we plan to meet with the FDA to discuss next steps in the regulatory process.”

Mesoblast entered into a license and collaboration agreement with Novartis for the development, manufacture, and commercialization of remestemcel-L, with an initial focus on the treatment of acute respiratory distress syndrome (ARDS), including that associated with COVID-19. The agreement remains subject to certain closing conditions, including time to analyze the results from this COVID-19 ARDS trial.

Additional secondary endpoints, which include days in intensive care, and cardiac, neurological, and pulmonary organ damage, together with measures of circulating cytokines and inflammatory markers, are being evaluated and will be reported when completed.

Conference Call

There will be a webcast today, beginning at 9.00am AEST (Friday, April 30); 7.00pm EDT (Thursday, April 29, 2021). It can be accessed via: <https://webcast.boardroom.media/mesoblast-limited/20210427/NaN60874bd69634a7001901f0a6>

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

About Remestemcel-L

Remestemcel-L is an investigational therapy comprising culture-expanded mesenchymal stromal cells derived from the bone marrow of an unrelated donor. Remestemcel-L is thought to have immunomodulatory properties to counteract the cytokine storms that are implicated in various inflammatory conditions by downregulating the production of pro-inflammatory cytokines, increasing production of anti-inflammatory cytokines, and enabling recruitment of naturally occurring anti-inflammatory cells to involved tissues.

About Mesoblast

Mesoblast is a world leader in developing allogeneic (off-the-shelf) cellular medicines for the treatment of severe and life-threatening inflammatory conditions. The Company has leveraged its proprietary mesenchymal lineage cell therapy technology platform to establish a broad portfolio of late-stage product candidates which respond to severe inflammation by releasing anti-inflammatory factors that counter and modulate multiple effector arms of the immune system, resulting in significant reduction of the damaging inflammatory process.

Mesoblast has a strong and extensive global intellectual property portfolio with protection extending through to at least 2040 in all major markets. The Company’s proprietary manufacturing processes yield industrial-scale, cryopreserved, off-the-shelf, cellular medicines. These cell therapies, with defined pharmaceutical release criteria, are planned to be readily available to patients worldwide.

Mesoblast has completed Phase 3 trials of rexlaxestemcel-L for advanced chronic heart failure and chronic low back pain. Remestemcel-L is being developed for inflammatory diseases in children and adults including steroid refractory acute graft versus host disease and moderate to severe acute respiratory distress syndrome. Two products have been commercialized in Japan and Europe by Mesoblast’s licensees, and the Company has established commercial partnerships in Europe and China for certain Phase 3 assets.

Mesoblast has locations in Australia, the United States and Singapore and is listed on the Australian Securities Exchange (MSB) and on the Nasdaq (MESO). For more information, please see www.mesoblast.com, LinkedIn: Mesoblast Limited and Twitter: @Mesoblast

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 Third Floor
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 USA
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 F +1 212 880 2061

Asia
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Footnotes

1. The Coronavirus Disease 2019 (COVID-19)-Associated Hospitalization Surveillance Network (COVID-NET). Centers for Disease Control and Prevention
2. Martin-Loeches et al. Pandemic and post-pandemic Influenza A (H1N1) infection in critically ill patients *Critical Care* 2011, 15:R286
3. Bonmarin I et al. Intensive care unit surveillance of influenza infection in France: the 2009/10 pandemic and the three subsequent seasons. *Euro Surveill.* 2015;20(46)
4. two sample t-test
5. All p-values are descriptive and not adjusted for multiplicity
6. Hazard Ratios calculated using Cox regression proportional hazards model without adjustment; p-value from log rank test
7. Interaction term between remestemcel-L treatment and ARDS severity in Cox regression proportional hazards model was not significant (p=0.98), indicating that treatment effect is not confounded by disease severity
8. Wilcoxon rank sum test

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 expressed or implied by these forward-looking statements. All statements other than statements of historical fact, including our intention to discuss potential next steps with the FDA, are forward-looking statements, which are often indicated by terms such as “anticipate,” “believe,” “could,” “estimate,” “expect,” “goal,” “intend,” “likely,” “look forward to,” “may,” “plan,” “potential,” “predict,” “project,” “should,” “will,” “would” and similar expressions and variations thereof. We make such forward-looking statements pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and other federal securities laws. Forward-looking statements should 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, and the differences may be material and adverse. The risks, uncertainties and other factors that may impact our forward-looking statements include, but are not limited to: the timing, progress and results of Mesoblast’s preclinical and clinical studies; Mesoblast’s ability to advance product candidates into, enroll and successfully complete, clinical studies; the timing or likelihood of regulatory filings and approvals; whether the FDA agrees to a path forward; and the pricing and reimbursement of Mesoblast’s product candidates, if approved; Mesoblast’s ability to establish and maintain intellectual property on its product candidates and Mesoblast’s ability to successfully defend these in cases of alleged infringement. You should read this press release together with our risk factors, in our most recently filed reports with the SEC or on our website. Uncertainties and risks that may cause Mesoblast’s actual results, performance or achievements to be materially different from those which may be expressed or implied by such statements, and accordingly, you should not place undue reliance on these forward-looking statements. Unless required by law, we do not undertake any obligations to publicly update or revise any forward-looking statements, whether as a result of new information, future developments or otherwise.

Release authorized by the Chief Executive.

For more information, please contact:

Corporate Communications / Investors

Paul Hughes
T: +61 3 9639 6036
E: investors@mesoblast.com

Media

Kristen Bothwell
T: +1 917 613 5434
E: kbothwell@rubenstein.com

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505 Fifth Avenue
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F +1 212 880 2061

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APPENDIX 4C QUARTERLY ACTIVITY REPORT
Mesoblast Operational and Financial Highlights for Quarter Ended March 31, 2021

Melbourne, Australia; April 30 and New York, USA; April 29, 2021: Mesoblast Limited (ASX:MSB; Nasdaq:MESO), global leader in allogeneic cellular medicines for inflammatory diseases, today provided an update on its pipeline of late-stage product candidates, and an activity report for the third quarter ended March 31, 2021.

“We are very excited about the top-line results announced today from the trial of remestemcel-L in patients on mechanical ventilation due to COVID-19. These showed that remestemcel-L reduced mortality through 60 days in the pre-specified population under 65 years old, particularly when used with dexamethasone as part of standard of care. This has the potential to make a substantial impact in outcomes for this critical patient population,” said Silviu Itescu, Chief Executive of Mesoblast.

Corporate and operational highlights included:

- Successful completion of US\$110 million private placement, with cash balance March 31, 2021, of US\$158.3 million
- Private placement was led by US investor group SurgCenter Development (SurgCenter), one of the largest private operators of ambulatory surgical centers (ASC) in the US specializing in spine, orthopaedic and total joint procedures.
- Appointment of Philip J. Facchina, Chief Strategy Officer of SurgCenter, to the Mesoblast Board of Directors
- Results from the randomized controlled trial of remestemcel-L in 222 ventilator-dependent COVID-19 patients with moderate/severe acute respiratory distress syndrome (ARDS) showed that patients who received remestemcel-L had a reduced mortality through 60 days in the pre-specified population under 65 years old
- In these patients the benefit was further increased when remestemcel-L was used with dexamethasone as part of standard of care
- The trial also showed that the mortality reduction by remestemcel-L was accompanied by increased days alive off mechanical ventilation and reduced days in hospital
- Results from the trial of rexlemestrocel-L (MPC-06-ID) in 404 patients with chronic low back pain (CLBP) due to degenerative disc disease (DDD) showed that a single injection of rexlemestrocel-L + hyaluronic acid (HA) carrier may provide at least two years of pain reduction, with opioid sparing activity in patients using opioids at baseline
- Significant and durable reductions in CLBP through 24 months were seen across the entire evaluable study population, and greatest pain reduction was observed in the pre-specified population with CLBP of shorter duration than the study median of 68 months
- The results indicate that treatment benefit may be greatest when inflammation is high and before irreversible fibrosis has occurred in the intervertebral disc

Remestemcel-L

Acute Respiratory Distress Syndrome due to COVID-19

Mesoblast Limited today announced the 60 day results from the randomized controlled trial of remestemcel-L in 222 ventilator-dependent COVID-19 patients with moderate/severe acute respiratory distress syndrome (ARDS) which had been halted after the third interim analysis, as previously announced. Remestemcel-L reduced mortality through day 60 by 46% in the pre-specified group below age 65, but not in patients 65 or older. Remestemcel-L reduced mortality by 75% and increased days alive off mechanical ventilation in patients under age 65 when combined with dexamethasone, in comparison with controls on dexamethasone.

Reduction in mortality in mechanically ventilated patients under 65 years old remains a critical unmet need since as many as 72% of currently hospitalized patients across the US with COVID-19 are in this age category.¹ This is similar to other causes of viral ARDS such as influenza where 70-80% of patients in intensive care units are under 65.^{2,3} The trial enrolled 222 mechanically ventilated COVID-19 patients with moderate/severe ARDS across the US, of whom 217 were randomized 1:1 and received either standard of care alone or standard of care plus 2 intravenous infusions of remestemcel-L at a dose of 2 million cells/kg 3-5 days apart. This was the same remestemcel-L dosing regimen used in the earlier compassionate use program where 11 of the 12 patients were younger than 65 and 75% successfully came off ventilatory support.

Key findings in the trial were:

- Remestemcel-L reduced mortality by 46% through day 60 in the pre-specified population of 123 treated patients under age 65, 26% vs 42%, Hazard Ratio (HR) 0.54, 95% CI (0.286, 1.005), $p=0.048$ ^{4,5}
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- Standard of care changed during the course of the trial to incorporate dexamethasone, with only 2% of the first 50 patients enrolled receiving dexamethasone compared with 84% of the subsequent 172 patients; this allowed for additional exploratory analyses of remestemcel-L treatment effects in patients who received dexamethasone as part of their standard of care
- Remestemcel-L reduced mortality through day 60 by 75% compared to controls in patients under 65 who received dexamethasone as part of their standard of care, 14% vs 45%, HR 0.25, 95% CI (0.085, 0.727), $p=0.006$ ^{4,5}
- Remestemcel-L increased days alive off ventilator within 60 days and reduced time to discharge from initial hospitalization compared to controls in patients under 65 who received dexamethasone as part of their standard of care, $p=0.01$ and $p=0.005$, respectively^{4,7}

Mesoblast entered into a license and collaboration agreement with Novartis for the development, manufacture, and commercialization of remestemcel-L, with an initial focus on the treatment of acute respiratory distress syndrome (ARDS), including that associated with COVID-19. The agreement remains subject to certain closing conditions, including time to analyze the results from this COVID-19 ARDS trial.

Steroid-Refractory Acute Graft Versus Host Disease

On August 13, 2020, results from 309 children with steroid-refractory acute graft versus host disease (SR-aGVHD) treated with remestemcel-L were presented to the Oncologic Drugs Advisory Committee (ODAC) of the United States Food and Drug Administration. The ODAC panel voted 9:1 that the available data support the efficacy of remestemcel-L in pediatric patients with SR-aGVHD⁸. Despite the overwhelming ODAC vote, on September 30, the FDA provided Mesoblast with a Complete Response Letter.

Mesoblast held a Type A meeting with the FDA in November 2020 to discuss the review of the Biologics License Application for remestemcel-L. The current review team have not agreed to accelerated or full approval. However, there was consensus with the review team on the proposed



optimization of potency assays and on use of biomarkers to demonstrate the product's bioactivity in-vivo.

Mesoblast continues to be in discussion with the FDA through a well-established process with the goal of achieving approval for remestemcel-L to treat SR-aGVHD.

Inflammatory Bowel Disease – Crohn's Disease and Ulcerative Colitis

A randomized, controlled study of remestemcel-L delivered by an endoscope directly to the areas of inflammation and tissue injury in up to 48 patients with medically refractory Crohn's disease and ulcerative colitis commenced at Cleveland Clinic in October 2020. The investigator-initiated study is the first in humans using local cell delivery in the gut and will enable Mesoblast to compare clinical outcomes using this delivery method with results from an ongoing randomized, placebo-controlled trial in patients with biologic-refractory Crohn's disease where remestemcel-L was administered intravenously.

Relexmestrocel-L

Revascor for Chronic Heart Failure

The results from the landmark DREAM-HF randomized controlled trial in 537 treated patients with chronic heart failure with reduced left ventricular ejection fraction (HFrEF) who received relexmestrocel-L (REVASCOR®) or control sham, demonstrated that a single dose of relexmestrocel-L resulted in substantial and durable reductions in heart attacks, strokes, and cardiac deaths. The results of this trial identify New York Heart Association (NYHA) class II HFrEF patients as the optimal target population for greatest relexmestrocel-L treatment effect, and therefore a focus for registration and commercialization of relexmestrocel-L in the largest market in heart failure.

Based on the observed reduction in mortality and morbidity in this trial, Mesoblast intends to meet with the FDA to discuss a potential approval pathway. Concurrently, Mesoblast will also explore potential strategic initiatives with a number of global pharma companies who have existing interests in cardiovascular disease and/or major vascular complications of diabetes.

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

The results from the randomized controlled trial of its allogeneic mesenchymal precursor cell (MPC) therapy relexmestrocel-L in 404 enrolled patients with chronic low back pain (CLBP) due to degenerative disc disease (DDD) refractory to conventional treatments indicate that a single injection of relexmestrocel-L + hyaluronic acid (HA) carrier may provide a safe, durable, and effective opioid-sparing therapy for patients with chronic inflammatory back pain due to degenerative disc disease, and that greatest benefits are seen when administered earlier in the disease process before irreversible fibrosis of the intervertebral disc has occurred.

There is a significant need for a safe, efficacious, and durable opioid-sparing treatment in patients with chronic low back pain due to severely inflamed degenerative disc disease. Mesoblast intends to meet with FDA to discuss a potential pathway for approval of relexmestrocel-L in patients with chronic discogenic lower back pain based on the observed durable reduction in pain and opioid sparing activity in the CLBP trial.

Cash Flow Report for the Third Quarter FY2021

Successfully completed a US\$110 million (A\$138 million) private placement led by a US strategic investor group in March 2021. Cash on hand at the end of the quarter was US\$158.3 million (A\$208.2 million).

Total Operating Activities resulted in net cash usage of US\$25.8 million in the quarter ended March 31, 2021. This included an investment of US\$11.5 million associated with remestemcel-L for SR-aGVHD and COVID-19 ARDS. Specifically:



- Sales of TEMCELL® HS Inj.⁹ in Japan for the treatment of aGVHD continue to recover from the effects of the temporary shutdown in production during mid-2020 which was undertaken in order to increase capacity to meet growing demand for the product
- Revenues from TEMCELL® royalties for the quarter ended March 31, 2021 were US\$1.9 million compared to US\$2.0 million in the quarter ended March 31, 2020. Royalty receipts for the quarter were US\$2.2 million, reflecting revenues recognized in the prior quarter
- Research and Development payments were US\$11.7 million for the current quarter. This comprises payments for the recently completed trials in COVID-19 ARDS, CHF and CLBP, as well as potency assay work in support of these programs.
- Product manufacturing & operating costs and manufacturing commercialization payments were US\$5.9 million for the current quarter, the majority being for commercial manufacturing and inventory build in anticipation for product launch of remestemcel-L
- Payments to Related Parties, detailed in Item 6 of the Appendix 4C cash flow report for the quarter, comprise approximately US\$418,000 in Non-Executive Director fees and Executive Director's salary

A copy of the Appendix 4C – Quarterly Cash Flow Report for the third quarter FY2021 is attached.

Conference Call

There will be a webcast today, beginning at 9.00am AEST (Friday, April 30); 7.00pm EDT (Thursday, April 29, 2021). It can be accessed via: <https://webcast.boardroom.media/mesoblast-limited/20210427/NaN60874bd69634a7001901f0a6>

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

About Mesoblast

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Mesoblast has a strong and extensive global intellectual property portfolio with protection extending through to at least 2040 in all major markets. The Company's proprietary manufacturing processes yield industrial-scale, cryopreserved, off-the-shelf, cellular medicines. These cell therapies, with defined pharmaceutical release criteria, are planned to be readily available to patients worldwide.

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References / Footnotes

Footnotes

1. The Coronavirus Disease 2019 (COVID-19)-Associated Hospitalization Surveillance Network (COVID-NET). Centers for Disease Control and Prevention



2. Martin-Loeches et al. Pandemic and post-pandemic Influenza A (H1N1) infection in critically ill patients *Critical Care* 2011, 15:R286
3. Bonmarin I et al. Intensive care unit surveillance of influenza infection in France: the 2009/10 pandemic and the three subsequent seasons. *Euro Surveill.* 2015;20(46)
4. All p-values are descriptive and not adjusted for multiplicity
5. Hazard Ratios calculated using Cox regression proportional hazards model without adjustment; p-value from Kaplan-Meier log rank statistics
6. Interaction term between remestemcel-L treatment and ARDS severity in Cox regression proportional hazards model was not significant (p=0.98), indicating that treatment effect is not confounded by disease severity
7. Wilcoxon rank sum test
8. This vote includes a change to the original vote by one of the ODAC panel members after electronic voting closed
9. TEMCELL® HS Inj. is a registered trademark of JCR Pharmaceuticals Co. Ltd.

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 expressed or implied by these forward-looking statements. We make such forward-looking statements pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and other federal securities laws. Forward-looking statements should 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, and the differences may be material and adverse. 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 ability to advance product candidates into, enroll and successfully complete, clinical studies, including multi-national clinical trials; Mesoblast's ability to advance its manufacturing capabilities; the timing or likelihood of regulatory filings and approvals, manufacturing activities and product marketing activities, if any; the commercialization of Mesoblast's product candidates, if approved; regulatory or public perceptions and market acceptance surrounding the use of stem-cell based therapies; the potential for Mesoblast's product candidates, if any are approved, to be withdrawn from the market due to patient adverse events or deaths; the potential benefits of strategic collaboration agreements and Mesoblast's ability to enter into and maintain established strategic collaborations; Mesoblast's ability to establish and maintain intellectual property on its product candidates and Mesoblast's ability to successfully defend these in cases of alleged infringement; the scope of protection Mesoblast is able to establish and maintain for intellectual property rights covering its product candidates and technology; estimates of Mesoblast's expenses, future revenues, capital requirements and its needs for additional financing; Mesoblast's financial performance; developments relating to Mesoblast's competitors and industry; and the pricing and reimbursement of Mesoblast's product candidates, if approved. You should read this press release together with our risk factors, in our most recently filed reports with the SEC or on our website. Uncertainties and risks that may cause Mesoblast's actual results, performance or achievements to be materially different from those which may be expressed or implied by such statements, and accordingly, you should not place undue reliance on these forward-looking statements. We do not undertake any obligations to publicly update or revise any forward-looking statements, whether as a result of new information, future developments or otherwise.

Release authorized by the Chief Executive.

For more information, please contact:

Corporate Communications / Investors

Paul Hughes
T: +61 3 9639 6036
E: investors@mesoblast.com

Media

Kristen Bothwell
T: +1 917 613 5434
E: kbothwell@rubenstein.com



Appendix 4C

Quarterly cash flow report for entities
subject to Listing Rule 4.7B

Name of entity		
Mesoblast Limited		
ABN		Quarter ended ("current quarter")
68 109 431 870		31 March 2021

Consolidated statement of cash flows		Current quarter \$US'000	Year to date (9 months) \$US'000
1.	Cash flows from operating activities		
1.1	Receipts from customers		
	-royalty receipts	2,190	4,162
1.2	Payments for		
	(a)research and development	(11,748)	(35,184)
	(b)manufacturing commercialization	(2,852)	(10,978)
	(c)product manufacturing and operating costs	(2,999)	(13,139)
	(d)advertising and marketing	(1,937)	(5,823)
	(e)leased assets	—	—
	(f)staff costs	(1,995)	(8,080)
	(g)other expenses from ordinary activities	(4,402)	(10,518)
	(h)other: -Intellectual property portfolio expenses	(739)	(2,307)
1.3	Dividends received (see note 3)	—	—
1.4	Interest received	1	17
1.5	Interest and other costs of finance paid	(1,351)	(4,122)
1.6	Income taxes paid	(29)	(35)
1.7	Government grants and tax incentives	39	56
1.8	Other (provide details if material)	—	—
1.9	Net cash from / (used in) operating activities	(25,822)	(85,951)

Consolidated statement of cash flows		Current quarter \$US'000	Year to date (9 months) \$US'000
2.	Cash flows from investing activities		
2.1	Payments to acquire or for:		
	(i) entities	—	—
	(j) businesses	—	—
	(k) property, plant and equipment	(936)	(1,424)
	(l) investments	—	—
	(m) intellectual property	—	—
	(n) other non-current assets	—	—
2.2	Proceeds from disposal of:		
	(o) entities	—	—
	(p) businesses	—	—
	(q) property, plant and equipment	—	—
	(r) investments	—	—
	(s) intellectual property	—	—
	(t) other non-current assets	—	—
2.3	Cash flows from loans to other entities	—	—
2.4	Dividends received (see note 3)	—	—
2.5	Other	—	—
2.6	Net cash from / (used in) investing activities	(936)	(1,424)
3.	Cash flows from financing activities		
		108,585	110,014
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)		
3.2	Proceeds from issue of convertible debt securities	—	—
3.3	Proceeds from exercise of options	403	8,539
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(642)	(1,547)
3.5	Proceeds from borrowings	—	—
3.6	Repayment of borrowings	—	—
3.7	Transaction costs related to loans and borrowings	(13)	(13)
3.8	Dividends paid	—	—

Consolidated statement of cash flows		Current quarter \$US'000	Year to date (9 months) \$US'000
3.9	Other (payment of lease liability)	(620)	(2,100)
3.10	Net cash from / (used in) financing activities	107,713	114,893
4. Net increase / (decrease) in cash and cash equivalents for the period			
4.1	Cash and cash equivalents at beginning of quarter (October 1, 2020)/beginning of year (July 1, 2020)	77,528	129,328
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(25,822)	(85,951)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(936)	(1,424)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	107,713	114,893
4.5	Effect of movement in exchange rates on cash held	(220)	1,417
4.6	Cash and cash equivalents at end of period	158,263	158,263

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$US'000	Previous quarter \$US'000
5.1	Bank balances	157,807	77,065
5.2	Call deposits	—	—
5.3	Bank overdrafts	—	—
5.4	Other (Term deposits)	456	463
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	158,263	77,528

6.	Payments to related parties of the entity and their associates	Current quarter \$US'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	418
6.2	Aggregate amount of payments to related parties and their associates included in item 2	—

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.

Payments for Non-executive Director fees and Executive Director's salary (for the current quarter) = US\$418,000

7.	Financing facilities <i>Note: the term "facility" includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.</i>	Total facility amount at quarter end \$US'000	Amount drawn at quarter end \$US'000
7.1	Loan facilities	90,000*	80,000*
7.2	Credit standby arrangements	—	—
7.3	Other (please specify)	—	—
7.4	Total financing facilities	90,000*	80,000*
7.5	Unused financing facilities available at quarter end		10,000*
7.6	<p data-bbox="108 434 962 533">Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.</p> <p data-bbox="108 577 962 600">*Loan facility with Hercules Capital, Inc.</p> <p data-bbox="108 622 962 712">On March 6, 2018, Mesoblast entered into a Loan and Security Agreement with Hercules Capital, Inc. ("Hercules Capital") for a US\$75.0 million secured four-year credit facility. Mesoblast drew the first tranche of US\$35.0 million on closing. An additional US\$15.0 million was drawn during Q1 CY2019.</p> <p data-bbox="108 734 962 757">As at March 31, 2021, the interest rate on the loan was 9.70%.</p> <p data-bbox="108 784 962 806">*Loan facility with NovaQuest Capital Management, L.L.C.</p> <p data-bbox="108 828 962 940">On June 29, 2018, Mesoblast entered into a Loan and Security Agreement with NovaQuest Capital Management, L.L.C. ("NovaQuest") for a non-dilutive US\$40.0 million secured eight-year term loan. Mesoblast drew the first tranche of US\$30.0 million of the loan on closing. An additional US\$10.0 million from the loan will be drawn on marketing approval of RYONCIL by the United States Food and Drug Administration (FDA).</p> <p data-bbox="108 963 962 1097">Prior to maturity in July 2026, the loan is only repayable from net sales of RYONCIL in the treatment of pediatric patients who have failed to respond to steroid treatment for acute Graft versus Host Disease (aGvHD), in the United States and other geographies excluding Asia. Interest on the loan will accrue at a rate of 15% per annum with the interest only period lasting 4 years. Interest payments will be deferred until after the first commercial sale. The financing is subordinated to the senior creditor, Hercules Capital.</p>		

8.	Estimated cash available for future operating activities	\$US'000
8.1	Net cash from / (used in) operating activities (item 1.9)	(25,822)
8.2	Cash and cash equivalents at quarter end (item 4.6)	158,263
8.3	Unused finance facilities available at quarter end (item 7.5)	10,000*
8.4	Total available funding (item 8.2 + item 8.3)	168,263
8.5	Estimated quarters of funding available (item 8.4 divided by item 8.1)	6.5
	<i>Note: if the entity has reported positive net operating cash flows in item 1.9, answer item 8.5 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.5.</i>	
	* Under the NovaQuest loan facility, an additional US\$10.0 million from the loan will be drawn on marketing approval of RYONCIL by the United States Food and Drug Administration (FDA).	
8.6	If item 8.5 is less than 2 quarters, please provide answers to the following questions:	
	8.6.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
	Answer: Not applicable	
	8.6.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?	
	Answer: Not applicable	
	8.6.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?	
	Answer: Not applicable	
	<i>Note: where item 8.5 is less than 2 quarters, all of questions 8.6.1, 8.6.2 and 8.6.3 above must be answered.</i>	

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date:30 April 2021.....

Authorised by:Chief Executive.....
(Name of body or officer authorising release – see note 4)

Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standard applies to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.