
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 December 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 December 17, 2019, 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 December 18, 2019, Mesoblast Limited filed with the Australian Securities Exchange a new release announcement, 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: December 24, 2019

INDEX TO EXHIBITS

Item

- 99.1 Press release of Mesoblast Ltd, dated December 17, 2019.
- 99.2 Press release of Mesoblast Ltd, dated December 18, 2019.

MESOBLAST'S PHASE 3 TRIAL OF REVASCOR IN ADVANCED CHRONIC HEART FAILURE SURPASSES THE NUMBER OF PRIMARY ENDPOINT EVENTS FOR TRIAL COMPLETION

Melbourne, Australia; December 17, 2019 and New York, USA; December 16, 2019: Mesoblast Limited (ASX: MSB; Nasdaq: MESO) today announced that its Phase 3 trial of Revascor for advanced chronic heart failure has surpassed the number of primary endpoint events required for trial completion. This cardiovascular outcomes trial has now initiated final study visits for all surviving patients with a target of last patient/last visit at the end of January 2020.

Once the last patient has completed their last visit, final data collection and entry processes will be performed and the database locked. All surviving patients will have been followed for at least 12 months, with a mean follow up period of approximately 30 months. The results from this pivotal trial are expected to be read out by mid-2020.

The double-blind, randomized, sham procedure-controlled Phase 3 trial is evaluating Revascor as an add-on treatment to standard-of-care for reduction of recurrent non-fatal heart failure-related major adverse cardiac events (HF-MACE) and terminal cardiac events (TCEs) in 566 patients with advanced chronic heart failure and reduced ejection fraction. The trial was designed to accrue more than 531 total primary endpoint events (HF-MACE) based on expected rates of HF-MACE in similarly advanced populations of heart failure patients and on treatment benefits seen with Revascor in earlier Phase 2 trial results. In April 2017, the Company reported that a pre-specified interim futility analysis of the primary efficacy endpoint in the Phase 3 trial's first 270 patients was successful.

In the United States alone, there are more than 6.5 million patients with heart failure¹. Approximately 15% of this patient population has advanced chronic heart failure and is at high-risk for recurrent HF-MACE and TCEs. This high-risk group makes up the predominant patient population in the Revascor Phase 3 trial.

Mesoblast Chief Executive Dr Silviu Itescu stated: "We are very pleased to have achieved this important milestone in the largest trial of cell-based therapy for patients with advanced heart failure. These patients have exhausted other treatment alternatives, and have the highest burden of disease, recurrent hospitalizations and mortality."

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 cell therapy technology platform to establish a broad portfolio of commercial products and late-stage product candidates. Two products have been commercialized in Japan and Europe by its licensees, and it has established commercial partnerships in Europe and China for certain Phase 3 assets. In the United States, Mesoblast has initiated submission of a rolling Biologics License Application to the FDA to seek approval of its product candidate for acute graft versus host disease following a successful Phase 3 trial, and is completing Phase 3 trials for its advanced heart failure and chronic low back pain product candidates. Mesoblast's proprietary manufacturing process yields industrial-scale, frozen, off-the-shelf, cellular medicines based on its mesenchymal lineage cell platform technology. These cell therapies, with defined pharmaceutical release criteria, are planned to be readily available to patients worldwide. Mesoblast has locations in Melbourne, New York, Singapore and Texas 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

1. Benjamin EJ, Virani SS, Callaway CW et al. American Heart Association Council on Epidemiology and Prevention Statistics Committee and Stroke Statistics Subcommittee. Heart Disease and Stroke Statistics-2018 Update: A report from the American Heart Association. *Circulation*. 2018;137:e67–e4922016;133:e38–e360.

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Mesoblast's 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 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; 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 authorised by the Chief Executive.

For further information, please contact:

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DATA MONITORING COMMITTEE COMPLETES FINAL SCHEDULED REVIEW OF MESOBLAST'S PHASE 3 TRIAL OF REVASCOR IN ADVANCED CHRONIC HEART FAILURE

Melbourne, Australia; December 18, 2019 and New York, USA; December 17, 2019: Mesoblast Limited (ASX: MSB; Nasdaq: MESO) announced today that the independent Data Monitoring Committee (DMC) overseeing the Phase 3 trial of Revascor for advanced chronic heart failure has held its tenth and final scheduled meeting, and has recommended that the trial continue as planned. This cardiovascular outcomes trial has now initiated final study visits for all surviving patients with a target of last patient/last visit at the end of January 2020.

The DMC reviewed available data from the 566 randomized patients, including components of the trial's primary and secondary endpoints, and all safety data. The results from this pivotal trial are expected to be read out by mid-2020.

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Mesoblast's 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 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; 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

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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 authorised by the Chief Executive

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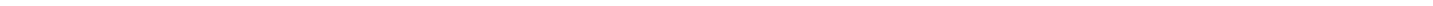
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