

# Bridge to lung transplantation with a novel pumpless lung assist device. Report of one case

## Uso del dispositivo de asistencia respiratoria Novalung® como puente a trasplante pulmonar: Caso clínico

Fernández, Patricio

Muñoz, Pablo

Fischer, Danilo

Méndez, Felipe

Florenzano, Matías

Valdés, Sergio

Parada, María Teresa

Fica, Mauricio

Rodríguez, Patricio

Díaz, Rodrigo

Rufs, Jorge

Devices such as Novalung® can be used as a bridge to lung transplantation while waiting for a suitable donor. We report a 50 year-old male with a terminal pulmonary fibrosis and candidate for lung transplantation. He was admitted to the hospital due to a severe deterioration of his respiratory condition, with the presence of severe respiratory acidosis despite conventional invasive respiratory support. Respiratory support with Novalung® was started, resulting in a progressive reduction of pCO<sub>2</sub>, that became normal ten hours after the installation of the device. Five days later a successful lung transplantation was performed.