Objective
Describe iLA from a more technical – perfusion oriented point of view. Describe technical issues and potential problems.

Study Design
Description, case presentation, summary of cases.
Outlook.

Study Population
78 patients.

Methods
Retro perspective observation.

Results
iLA in patients with respiratory failure, which cannot be controlled by other means, is a therapeutic option. In comparison to standard ECMO iLA shows fewer side effects and complications. A paracorporeal system could be the next step in the development.

Commentary
This paper addresses mainly perfusionists, which are focused on the technical side of any extracorporeal treatment.