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**Name of Journal:** *World Journal of Critical Care Medicine*

**Manuscript NO:** 47181

**Manuscript Type:** MINIREVIEWS

**Independent Lung Ventilation: Implementation strategies and review of literature**

Sheri Berg, Edward A Bittner, Lorenzo Berra, Robert M Kacmarek, Abraham Sonny

**Abstract**

Independent lung ventilation, though infrequently used in the critical care setting, has been reported as a rescue strategy for patients in respiratory failure resulting from severe unilateral lung pathology. This involves isolating and ventilating the right and left lung differently, using separate ventilators. Here, we describe our experience with



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### [PDF] independent lung ventilation guideline

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Selective or "independent" lung ventilation (ILV) outside of the operating room was first reported in the 1970s as a methodology by which to more efficiently match perfusion and ventilation of ...

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<https://www.ahrq.gov/.../mvp/modules/technical/ltvv-litreview.html> ▾

Low Tidal Volume (**Lung Protective**) **Ventilation Literature Review** AHRQ Safety Program for Mechanically Ventilated Patients Low tidal volume (**lung-protective**) **ventilation** (LTVV) is associated with decreased acute **lung** injury (ALI) and acute respiratory distress syndrome (ARDS) progression as well as a shorter length of stay (LOS).

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**Independent lung ventilation.** Independent lung ventilation (ILV) is a method of mechanical ventilation in which the right lung and left lung are managed independently, either by anatomical or physiological separation. ILV can either be one-lung ILV (OL-ILV) or two-lung ILV (TL-ILV).

Cited by: 21

Author: Ferdinand R. Rico, Julius D. Cheng, Mark...

Publish Year: 2007

### Weaning From Mechanical Ventilation: A Scoping Review of ...

[ajcc.aacnjournals.org/content/23/5/e54.full](http://ajcc.aacnjournals.org/content/23/5/e54.full)

Sep 01, 2014 · Weaning From Mechanical **Ventilation: A Scoping Review** of Qualitative Studies ... Most reviews of weaning from mechanical **ventilation** have examined only quantitative ... such as interprofessional collaboration conducted alongside studies to examine effectiveness or **implementation** of **strategies** to optimize weaning are needed to evaluate the ...



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### Clinical review: Independent lung ventilation in critical ...

[https://www.researchgate.net/publication/7414435\\_Clinical\\_review\\_Independent\\_lung...](https://www.researchgate.net/publication/7414435_Clinical_review_Independent_lung...)

Independent lung ventilation (ILV) is a ventilation strategy used in patients with significant differences in respiratory mechanics between the 2 lungs owing to asymmetric or unilateral lung diseases.

### [PDF] INDEPENDENT LUNG VENTILATION - ...

[www.surgicalcriticalcare.net/Guidelines/independent\\_lung\\_ventilation\\_2014.pdf](http://www.surgicalcriticalcare.net/Guidelines/independent_lung_ventilation_2014.pdf)

Independent Lung Ventilation (ILV) is a rare and technically demanding procedure for managing unilateral lung disease or injury in patients who have failed conventional modes of mechanical ventilation.

Published in: Clinics in Chest Medicine · 1996

Authors: David Ost · Thomas C Corbridge

About: Artificial ventilation · Mechanical ventilation · Lung

### [PDF] independent lung ventilation guideline

[www.surgicalcriticalcare.net/Guidelines/independent\\_lung\\_ventilation.pdf](http://www.surgicalcriticalcare.net/Guidelines/independent_lung_ventilation.pdf)

Independent Lung Ventilation (ILV) is a rare and technically demanding procedure for managing unilateral lung disease or injury in patients who have failed conventional modes of mechanical ventilation. No controlled clinical trials of ILV exist and there are no clear-cut indications for its use.

### [PDF] Protective Ventilation in the OR Implementation into ...

[https://www.draeger.com/Library/Content/Protective\\_Ventilation\\_in\\_OR\\_implementation...](https://www.draeger.com/Library/Content/Protective_Ventilation_in_OR_implementation...)

This article explores the question of the implementation of lung protective ven- ... with a separate review of literature at a later point in time. ... LITERATURE Based on current evidence, Ball & Pelosi suggest the following parameters to be included into a protective ventilation strategy which is largely backed by recommendations by Filho ...

### An 11-Year-Old Girl with Life-threatening Pneumonia ...

<https://www.atsjournals.org/doi/full/10.1513/AnnalsATS.201603-210BC>

Mar 24, 2016 · Independent lung ventilation is an infrequently used ventilation strategy in the pediatric intensive care unit (PICU). This strategy is rarely used largely because of the pediatric intensivist's lack of experience with this modality and because of patient size limitations.

Cited by: 1 Author: Marlina E. Lovett, Todd J. Karsies

Publish Year: 2016

### Independent Lung Ventilation in the Postoperative ...

<https://www.sciencedirect.com/science/article/pii/S0041134514006332>

Independent lung ventilation (ILV) is a ventilation strategy used in patients with significant differences in respiratory mechanics between the 2 lungs owing to asymmetric or unilateral lung diseases. We report the case of a 66-year-old patient treated with ILV for a primary graft dysfunction occurred early after



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**INDEPENDENT LUNG VENTILATION SUMMARY** Independent Lung Ventilation (ILV) is a rare and technically demanding procedure for managing unilateral lung disease or injury in patients who have failed conventional modes of mechanical ventilation. No controlled clinical trials of ILV exist and there are no clear-cut indications for its use.

### [PDF] INDEPENDENT LUNG VENTILATION - ...

[www.surgicalcriticalcare.net/Guidelines/independent lung ventilation 2014.pdf](http://www.surgicalcriticalcare.net/Guidelines/independent_lung_ventilation_2014.pdf)

**INDEPENDENT LUNG VENTILATION SUMMARY** Independent Lung Ventilation (ILV) is a rare and technically demanding procedure for managing unilateral lung disease or injury in patients who have failed conventional modes of mechanical ventilation. No controlled clinical trials of ILV exist, but multiple case reports have shown it to be a viable option as a

Published in: Clinics in Chest Medicine - 1996

Authors: David Ost · Thomas C Corbridge

About: Artificial ventilation · Mechanical ventilation · Lung

### Clinical review: Independent lung ventilation in critical ...

[https://www.researchgate.net/publication/7414435\\_Clinical\\_review\\_Independent\\_lung...](https://www.researchgate.net/publication/7414435_Clinical_review_Independent_lung...)

**Independent lung ventilation (ILV)** is a ventilation strategy used in patients with significant differences in respiratory mechanics between the 2 lungs owing to asymmetric or unilateral lung diseases.

### An 11-Year-Old Girl with Life-threatening Pneumonia ...

<https://www.atsjournals.org/doi/full/10.1513/AnnalsATS.201603-210BC>

Mar 24, 2016 · **Independent lung ventilation** is an infrequently used ventilation strategy in the pediatric intensive care unit but can be beneficial in unique patient subsets, such as patients who have asymmetric pulmonary pathology. **Independent lung ventilation** allows for the independent ...

Cited by: 1 Author: Marlina E. Lovett, Todd J. Karsies

Publish Year: 2016

### [PDF] Protective Ventilation in the OR - Draeger

<https://www.draeger.com/library/content/svc-info-210x297-fl-6593-de.pdf>

Protective Ventilation in the OR – implementation into daily clinical routine may be a challenge  
Protective Ventilation in the OR This article explores the question of the implementation of lung protective ventilation in the OR. The discussion on how to ventilate surgical patients intraoperatively to