

# UPDATE: Ruling out lopinavir/ritonavir as a potential treatment for COVID-19



## In the News

### RECOVERY Trial (Oxford University)

The RECOVERY Trial team [stopped the lopinavir/ritonavir \(LPV/r\) arm of the trial](#) on June 29, 2020.

- 1596 patients randomized to LPV/r vs. 3376 patients control (usual care)
- No significant difference in primary endpoint of 28-day mortality (22.1% LPV/r vs. 21.3% usual care; RR 1.04 [95% CI 0.91- 1.18]; p=0.58)

- Results consistent in different subgroups
- No evidence of beneficial effects on the risk of progression to mechanical ventilation or length of hospital stay

### Solidarity Trial (World Health Organization)

The Solidarity Trial team [stopped the LPV/r arm of the trial](#) on July 4, 2020. They based this decision on interim results from the trial.

## Selected Evidence Syntheses

As of July 13, 2020, **no high-quality evidence syntheses support the use of LPV/r as a treatment for COVID-19.**

Source	Title	Date	Link	Conclusions (emphasis added)
CEBM	Lopinavir/ritonavir: A rapid review of effectiveness in COVID-19	April 14, 2020 <b>(has not been updated since then)</b>	<a href="#">Link</a>	"There is currently <b>no strong evidence</b> for the efficacy of lopinavir/ritonavir in the treatment of COVID-19. Overall, the limited studies identified were subject to methodological flaws. Several ongoing trials of lopinavir/ritonavir are currently recruiting."

## Clinical Trials

As of July 13, 2020, **no clinical trials support the use of lopinavir/ritonavir as a treatment for COVID-19.** This search was limited to articles published since the last summary on this treatment (June 3, 2020).

## Search Methods

### MEDLINE

Date searched: 2020-07-13

Search string: (kaleta or lopinavir or lopimmune or aluvia or alluvia or lpv\*).ti,ab.

COVID-19 filter: MEDLINE built-in

Major journals filter: (cmaj or jama or n engl j med or lancet or science or nature or bmj or ann intern med or plos one).ja.

### Epistemonikos

Date searched: 2020-07-13

Manual search

**Please note: This summary is not being kept up to date, and reflects evidence up to and including July 13, 2020 only.**