

**Chronic obstructive pulmonary disease exacerbation purulence status and its association
with pulmonary embolism: protocol for a systematic review with meta-analysis**

Supplemental file

Vicky Mai¹, Laura Girardi^{1,2}, Kerstin de Wit³, Lana A. Castellucci¹, Shawn Aaron⁴, Francis Couturaud⁵, Dean Fergusson⁶, Grégoire Le Gal¹

¹ Department of Medicine, Ottawa Hospital Research Institute, University of Ottawa, Ottawa, Canada.

² Department of Medicine and Surgery, University of Insubria, Varese, Italy.

³ Department of Emergency Medicine and Medicine, Queens University, Kingston.

⁴ Department of Medicine, Faculty of Medicine, Division of Respiriology, University of Ottawa, Ottawa, Ontario, Canada.

⁵ INSERM U1304-GETBO, CIC INSERM 1412, Univ_Brest, Département de Médecine Interne et Pneumologie, CHU_Brest, Brest, FCRIN INNOVTE, France.

⁶ Clinical Epidemiology Program, Ottawa Hospital Research Institute, Ottawa, Ontario, Canada.

Corresponding author:

Grégoire Le Gal
Ottawa Hospital Research Institute – University of Ottawa
501 Smyth Road, Ottawa, ON, Canada, K1H 8L6
E-mail: glegal@toh.ca

APPENDIX 1

Search strategy MEDLINE

1. "Chronic obstructive pulmonary disease".ab,kw,ti.
2. Pulmonary disease, Chronic obstructive/
3. "Chronic obstructive lung disease".ab,kw,ti.
4. "Chronic obstructive airway disease".ab,kw,ti.
5. "Chronic airflow obstruction".ab,kw,ti.
6. COPD.ab,kw,ti.
7. "Chronic bronchitis".ab,kw,ti.
8. Bronchitis, Chronic/
9. "Pulmonary emphysema".ab,kw,ti.
10. Pulmonary emphysema/
11. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10
12. "Venous thrombos*".ab,kw,ti.
13. Venous thrombosis/
14. "Vein thrombosis".ab,kw,ti.
15. "Vein thromboembolism".ab,kw,ti.
16. "Pulmonary embolism".ab,kw,ti.
17. Pulmonary embolism/
18. "Pulmonary embolisms".ab,kw,ti.
19. "Pulmonary thromboembolism".ab,kw,ti.
20. "Lung embolism".ab,kw,ti.
21. "Lung embolisms".ab,kw,ti.

22. "Lung thromboembolism".ab,kw,ti.
 23. "Venous thromboembolism".ab,kw,ti.
 24. Venous thromboembolism/
 25. #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22
OR #23 OR #24
- #11 AND #25

Search strategy Embase

1. "Chronic obstructive pulmonary disease".ab,ti,kw
2. "Chronic obstructive pulmonary disease"/
3. "Chronic obstructive lung disease".ab,ti,kw
4. "Chronic obstructive airway disease".ab,ti,kw
5. "Chronic airflow obstruction".ab,ti,kw
6. COPD.ab,ti,kw
7. "Chronic bronchitis".ab,ti,kw
8. "Chronic bronchitis"/
9. "Pulmonary emphysema".ab,ti,kw
10. "Pulmonary emphysema"/
11. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10
12. "Venous Thrombos*".ti,ab,kw
13. "Venous thromboembolism".ti,ab,kw
14. "Vein Thrombos*".ti,ab,kw
15. "Vein thromboembolism".ti,ab,kw

16. "Vein thrombosis"/
 17. "Pulmonary embolism".ti,ab,kw
 18. "Pulmonary embolisms".ti,ab,kw
 19. "Pulmonary thromboembolism".ti,ab,kw
 20. "Lung embolism".ti,ab,kw
 21. "Lung embolisms".ti,ab,kw
 22. "Lung thromboembolism".ti,ab,kw
 23. "Lung embolism"/
 24. #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22
OR #23
- #11 AND #24

Search strategy CENTRAL

1. "Chronic obstructive pulmonary disease".ab,kw,ti.
2. Pulmonary disease, Chronic obstructive/
3. "Chronic obstructive lung disease".ab,kw,ti.
4. "Chronic obstructive airway disease".ab,kw,ti.
5. "Chronic airflow obstruction".ab,kw,ti.
6. COPD.ab,kw,ti.
7. "Chronic bronchitis".ab,kw,ti.
8. Bronchitis, Chronic/
9. "Pulmonary emphysema".ab,kw,ti.
10. Pulmonary emphysema/

11. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10
 12. “Venous thrombos*”.ab,kw,ti.
 13. Venous thrombosis/
 14. “Vein thrombosis”.ab,kw,ti.
 15. “Vein thromboembolism”.ab,kw,ti.
 16. “Pulmonary embolism”.ab,kw,ti.
 17. Pulmonary embolism/
 18. “Pulmonary embolisms”.ab,kw,ti.
 19. “Pulmonary thromboembolism”.ab,kw,ti.
 20. “Lung embolism”.ab,kw,ti.
 21. “Lung embolisms”.ab,kw,ti.
 22. “Lung thromboembolism”.ab,kw,ti.
 23. “Venous thromboembolism”.ab,kw,ti.
 24. Venous thromboembolism/
 25. #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22
OR #23 OR #24
- #11 AND #25