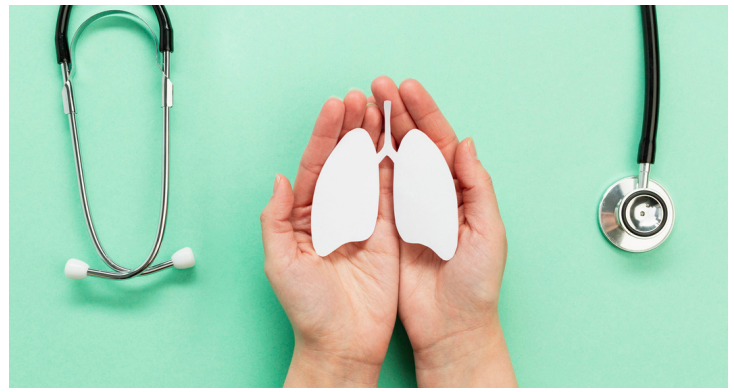


COPD PATIENT EMPOWERMENT

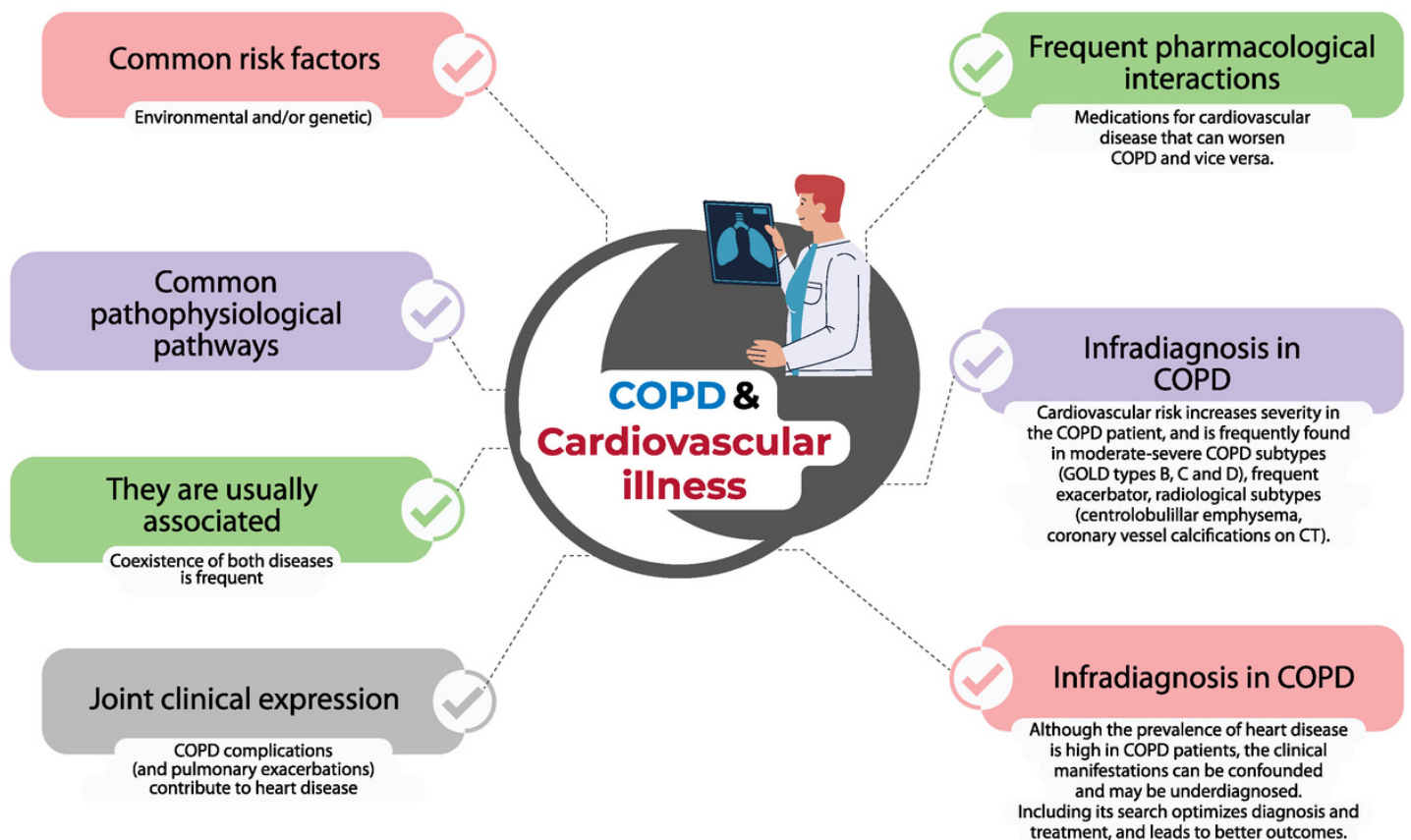
Scientific evidence and quality of life in COPD



A systematic review aimed at patients, family members and caregivers

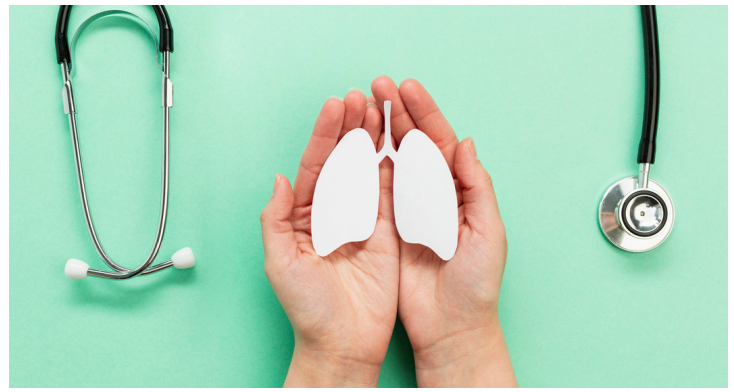
Cardiovascular Comorbidity

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Cardiovascular Comorbidity

- **The association between cardiovascular disease and COPD could be a consequence of :**
 - Common risk factors (environmental and/or genetic)
 - Common pathophysiological pathways
 - Coexistence of both diseases in high prevalence
 - Complications (including pulmonary exacerbations) of COPD that contribute to cardiovascular disease and
 - Medications for cardiovascular disease can worsen COPD and vice versa.
- **Cardiovascular risk in COPD has traditionally been associated with increased disease severity**, but there are other associations with COPD subtypes, relevant: Moderate severe COPD (GOLD types B, C and D) frequent exacerbators, radiological subtypes (centrolobulillar emphysema, coronary vessel calcifications on CT) and new disease groups.
- **Although the prevalence of CVD is high in COPD populations, the clinical manifestations overlap and it is possible that it is underdiagnosed**, so including a search for it optimizes diagnosis and treatment, and leads to better outcomes.



Discover more COPD Empowerment assets at:
<https://gaapp.org/copd/copd-patient-empowerment-scientificevidence/>



This educational assets have been created for COPD patients and caregivers,
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With the clinical revision of:

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Original Publication:

Balbirsingh V, Mohammed AS, Turner AM, Newnham M. Cardiovascular disease in chronic obstructive pulmonary disease: a narrative review. Thorax. 2022 Jun 30; thoraxjnl-2021-218333. doi: 10.1136/thoraxjnl-2021-218333. Epub ahead of print. PMID: 35772939.