

Supplement 2. Search strategy

1) Inclusion and exclusion criteria for searching

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| Inclusion criteria | <ol style="list-style-type: none"> (1) Literature published in Korean or English (2) Literature on adults (3) Recommendations, guidelines developed by national, academic societies, systemic reviews and meta-analysis, randomized clinical trials |
| Exclusion criteria | <ol style="list-style-type: none"> (1) Literature in which the published language is not Korean or English (2) Literature on adolescents or children (3) In case the original text cannot be obtained (4) Unrepresentative guidelines written individually |

2) Search strategies for guidelines

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| Date of searching | November, 2022 |
| Period of literature | January 2018 to October 2022 |
| Source | <ul style="list-style-type: none"> • Supporting smoking cessation: a guide for health professionals (Available URL: https://www.racgp.org.au › view-all-racgp-guidelines) • Initiating Pharmacologic Treatment in Tobacco-Dependent Adults. An Official American Thoracic Society Clinical Practice Guideline (Available URL: https://www.atsjournals.org/doi/full/10.1164/rccm.202005-1982ST) • Department of Health (2022). Stop Smoking (NCEC National Clinical Guideline No. 28). Available at: https://www.gov.ie/en/collection/c9fa9a-national-clinical-guidelines/ • National Guideline Clearinghouse (Available URL: www.guideline.gov) • NICE: National Institute for Health and Care Excellence (Available URL: www.nice.org.uk) • Canadian CPG Infobase: Clinical Practice Guidelines Database (Available URL: www.cma.ca/En/Pages/Clinical-practice-guidelines.aspx) • Australian Clinical Practice Guidelines (Available URL: www.clinicalguidelines.gov.au) • Irish National Clinical Guidelines (Available URL: https://www.gov.ie/en/collection/c9fa9a-national-clinical-guidelines/) • USPSTF: U.S. Preventive Services Task Force (Available URL: https://www.uspreventiveservicestaskforce.org/uspstf/) • Guidelines International Network (Available URL: www.g-i-n.net/) • FDA: Food & Drug Administration (Available URL: www.fda.gov/regulatoryinformation/guidances/) • World Health Organization (Available URL: www.who.int). • ENSP: European Network for Smokin and Tobacco Prevention (Available URL: https://ensp.network/ensp-tdt-guidelines/) |
| Keywords | <ul style="list-style-type: none"> • ‘Smoking/nicotine-addiction/tobacco-use cessation’ • ‘Smoking/nicotine-addiction/tobacco-use interventions’ |

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| | • ‘Treatment of smoking/nicotine-addiction/tobacco-use’ |
| Searched guidelines | <ul style="list-style-type: none"> • American College of Cardiology–2018 ACC Expert Consensus Decision Pathway on Tobacco Cessation Treatment, USA, 2018 • WHO–Management of physical health conditions in adults with severe mental disorders (3.1 Tobacco Cessation), Global, 2018 • The Royal Australian College of General Practitioners–Supporting smoking cessation A guide for health professionals, Australia, 2019 • American Thoracic Society–Initiating Pharmacologic Treatment in Tobacco-Dependent Adults, USA, 2020 • European Network for Smoking and Tobacco Prevention (ENSP)–Guidelines for treating tobacco dependence, EU, 2020 • Ministry of Health, New Zealand–The New Zealand Guidelines for Helping People to Stop Smoking, New Zealand, 2021 • U.S. Preventive Services Task Force (USPSTF)–Tobacco Smoking Cessation in Adults, Including Pregnant Persons: Interventions, USA, 2021 • National Institute for Health and Care Excellence (NICE)–NICE guideline: Tobacco: preventing uptake, promoting quitting and treating dependence, UK, 2021 • Association of the Scientific Medical Societies (AWMF)–S3 Guideline “Smoking and Tobacco Dependence: Screening, Diagnosis, and Treatment”, Germany, 2021 • Department of Health, Ireland–National Clinical Guideline No. 28: Stop Smoking, Ireland, 2022 |
| Guideline selection | At least two committee members used the AGREE II tool (The Appraisal of Guidelines for Research and Evaluation, https://www.agreetrust.org/) to evaluate the quality of the development methods for each guideline |
| Selected guideline | • American Thoracic Society–Initiating Pharmacologic Treatment in Tobacco-Dependent Adults, USA, 2020 |

3) Search strategy for key questions

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| Date of searching | November 30th, 2022 |
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3-1) Key question

- Which medication, varenicline or nicotine patch, should be used as the primary treatment in smoking cessation therapy?
- Which medication, varenicline or bupropion, should be used as the primary treatment in smoking cessation therapy?
- In smoking cessation therapy, should the treatment be initiated with the combination therapy of varenicline and nicotine replacement therapy (NRT) or the monotherapy of varenicline alone?

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| Ovid MEDLINE(R) 1946 to present with daily update |
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|-------------------------------------|---|
| #1 | "Tobacco Use"/ or "Tobacco Use Disorder"/ or Tobacco Smoking/ or Smokers/ or Smoking/ or (Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*).tw,kw. |
| #2 | Varenicline/ or (Varenicline or Champix or Chantix).tw,kw |
| #3 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT).tw,kw. |
| #4 | Bupropion/ or (Bupropion or Zyban or Quomen or Zyantabac or Amfebutamone).tw,kw |
| #5 | OR/#2-4 |
| #6 | #1 AND #5 |
| #7 | limit #6 to yr="2019-Current" |
| #8 | (Meta-Analysis as Topic/or meta analy\$.tw.or metaanaly\$.tw.or Meta-Analysis/or (systematic adj (review\$1 or overview\$1)).tw. or exp Review Literature as Topic/or cochrane.ab.or embase.ab.or (psychlit or psyclit).ab.or (psychinfo or psycinfo).ab.or (cinahl or cinhal).ab.or science citation index.ab.or bids.ab.or cancerlit.ab.or reference list\$.ab.or bibliograph\$.ab.or hand-search\$.ab.or relevant journals.ab.or manual search\$.ab.or ((selection criteria.ab. OR data extraction.ab.) AND Review/)) not (Comment/ or Letter/ or Editorial/ or (animal/ not (animal/ and human/))) |
| #9 | (Randomized Controlled Trials as Topic/ or randomized controlled trial/ or Random Allocation/ or Double Blind Method/ or Single Blind Method/ or clinical trial/ or clinical trial, phase i.pt. or clinical trial, phase ii.pt. or clinical trial, phase iii.pt. or clinical trial, phase iv.pt. or controlled clinical trial.pt. or randomized controlled trial.pt. or multicenter study.pt. or clinical trial.pt. or exp Clinical Trials as topic/ or (clinical adj trial\$.tw. or ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw. or PLACEBOS/ or placebo\$.tw. or randomly allocated.tw. or (allocated adj2 random\$.tw.) not (case report.tw. or letter/ or historical article/) |
| #10 | OR/#8-9 |
| #11 | #7 AND #10 |
| Embase | |
| #1 | 'tobacco use'/exp OR 'tobacco dependence'/exp OR 'smoking'/exp OR ((Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*)):ab,ti,kw |
| #2 | 'varenicline'/exp or (Varenicline or Champix or Chantix):ab,ti,kw |
| #3 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT):ab,ti,kw |
| #4 | (Bupropion or Zyban or Quomen or Zyantabac or Amfebutamone):ab,ti,kw |
| #5 | #2 OR #3 OR #4 |
| #6 | #1 AND #5 |
| #7 | #6 AND [2019-2022]/py |
| #8 | #7 AND ('article'/it OR 'article in press'/it OR 'review'/it OR 'short survey'/it) |
| Cochrane libCochrane library | |
| #1 | [mh "Tobacco Use"] or [mh "Tobacco Use Disorder"] or [mh "Smokers"] or (Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*):ab,ti,kw |
| #2 | [mh "Varenicline"] or (Varenicline or Champix or Chantix):ab,ti,kw |
| #3 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT):ab,ti,kw |
| #4 | [mh "Bupropion"] or (Bupropion or Zyban or Quomen or Zyantabac or Amfebutamone):ab,ti,kw |
| #5 | #2 OR #3 OR #4 |
| #6 | #1 AND #5 |

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| #7 | #6 with Publication Year from 2019 to 2022, in Trials |
| KoreaMed | |
| #1 | ("Tobacco Use"[MH] OR "Tobacco Use Disorder"[MH] OR "Smokers"[MH]) AND ("Varenicline"[MH] OR "Bupropion"[MH]) |

3-2) Key question

- In smoking cessation therapy, is extended treatment (12 weeks or longer) more effective than standard treatment (6–12 weeks)?

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| Ovid MEDLINE(R) 1946 to present with daily update | |
| #1 | "Tobacco Use"/ or "Tobacco Use Disorder"/ or Tobacco Smoking/ or Smokers/ or Smoking/ or (Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*).tw,kw. |
| #2 | Varenicline/ or (Varenicline or Champix or Chantix).tw,kw |
| #3 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT).tw,kw. |
| #4 | Bupropion/ or (Bupropion or Zyban or Quomen or Zynabac or Amfebutamone).tw,kw |
| #5 | OR/#2-4 |
| #6 | #1 AND #5 |
| #7 | limit #6 to yr="2019-Current" |
| #8 | (Meta-Analysis as Topic/or meta analy\$.tw.or metaanaly\$.tw.or Meta-Analysis/or (systematic adj (review\$1 or overview\$1)).tw. or exp Review Literature as Topic/or cochrane.ab.or embase.ab.or (psychlit or psyclit).ab.or (psychinfo or psycinfo).ab.or (cinahl or cinhal).ab.or science citation index.ab.or bids.ab.or cancerlit.ab.or reference list\$.ab.or bibliograph\$.ab.or hand-search\$.ab.or relevant journals.ab.or manual search\$.ab.or ((selection criteria.ab. OR data extraction.ab.) AND Review/)) not (Comment/ or Letter/ or Editorial/ or (animal/ not (animal/ and human/))) |
| #9 | (Randomized Controlled Trials as Topic/ or randomized controlled trial/ or Random Allocation/ or Double Blind Method/ or Single Blind Method/ or clinical trial/ or clinical trial, phase i.pt. or clinical trial, phase ii.pt. or clinical trial, phase iii.pt. or clinical trial, phase iv.pt. or controlled clinical trial.pt. or randomized controlled trial.pt. or multicenter study.pt. or clinical trial.pt. or exp Clinical Trials as topic/ or (clinical adj trial\$.tw. or ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw. or PLACEBOS/ or placebo\$.tw. or randomly allocated.tw. or (allocated adj2 random\$.tw.) not (case report.tw. or letter/ or historical article/) |
| #10 | OR/#8-9 |
| #11 | #7 AND #10 |
| Embase | |
| #1 | 'tobacco use'/exp OR 'tobacco dependence'/exp OR 'smoking'/exp OR ((Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*)):ab,ti,kw |
| #2 | 'varenicline'/exp or (Varenicline or Champix or Chantix):ab,ti,kw |
| #3 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT):ab,ti,kw |
| #4 | (Bupropion or Zyban or Quomen or Zynabac or Amfebutamone):ab,ti,kw |
| #5 | #2 OR #3 OR #4 |

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| #6 | #1 AND #5 |
| #7 | #6 AND [2019-2022]/py |
| #8 | #7 AND ('article'/it OR 'article in press'/it OR 'review'/it OR 'short survey'/it) |
| Cochrane library | |
| #1 | [mh "Tobacco Use"] or [mh "Tobacco Use Disorder"] or [mh "Smokers"] or (Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*):ab,ti,kw |
| #2 | [mh "Varenicline"] or (Varenicline or Champix or Chantix):ab,ti,kw |
| #3 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT):ab,ti,kw |
| #4 | [mh "Bupropion"] or (Bupropion or Zyban or Quomen or Zyntabac or Amfebutamone):ab,ti,kw |
| #5 | #2 OR #3 OR #4 |
| #6 | #1 AND #5 |
| #7 | #6 with Publication Year from 2019 to 2022, in Trials |
| KoreaMed | |
| #1 | ("Tobacco Use"[MH] OR "Tobacco Use Disorder"[MH] OR "Smokers"[MH]) AND ("Varenicline"[MH] OR "Bupropion"[MH]) |

3-3) Key question

- Is smoking cessation pharmacotherapy effective for smokers who are not ready to quit smoking?

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| Ovid MEDLINE(R) 1946 to present with daily update | |
| #1 | "Tobacco Use"/ or "Tobacco Use Disorder"/ or Tobacco Smoking/ or Smokers/ or Smoking/ or (Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*).tw,kw. |
| #2 | Smoking Reduction/ or Smoking Cessation/ OR (Reduction or reduce or quit or Cessation).tw,kw. |
| #3 | (motivation OR unwilling OR no intention OR without intention OR no plan* OR unmotivated OR preloading OR willing OR planning OR flexible quitdate OR flexible quit*).tw,kw. |
| #4 | #1 AND #2 AND #3 |
| #5 | Varenicline/ or (Varenicline or Champix or Chantix).tw,kw |
| #6 | #4 AND #5 |
| #7 | limit #6 to yr="2019-Current" |
| Embase | |
| #1 | 'tobacco use'/exp OR 'tobacco dependence'/exp OR 'smoking'/exp OR ((Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*):ab,ti,kw |
| #2 | 'smoking reduction'/exp OR 'smoking cessation'/exp OR (Reduction or reduce or quit or Cessation):ab,ti,kw |
| #3 | (motivation OR unwilling OR no intention OR without intention OR no plan* OR unmotivated OR preloading OR willing OR planning OR flexible quitdate OR flexible quit*):ab,ti,kw |
| #4 | #1 AND #2 AND #3 |
| #5 | 'varenicline'/exp OR (Varenicline or Champix or Chantix):ab,ti,kw |
| #6 | #4 AND #5 |
| #7 | #6 AND [2019-2022]/py |
| Cochrane library | |
| #1 | [mh "Tobacco Use"] or [mh "Tobacco Use Disorder"] or [mh "Smokers"] or (Tobacco or Tobacco-use* or |

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| | smoker* or smoking or cigar or cigarett*):ab,ti,kw |
| #2 | [mh "Smoking Reduction"] or [mh "Smoking Cessation"] or (Reduction or reduce or quit or Cessation):ab,ti,kw |
| #3 | (motivation OR unwilling OR no intention OR without intention OR no plan* OR unmotivated OR preloading OR willing OR planning OR flexible quitdate OR flexible quit*):ab,ti,kw |
| #4 | #1 AND #2 AND #3 |
| #5 | [mh "Varenicline"] or (Varenicline or Champix or Chantix):ab,ti,kw |
| #6 | #4 AND #5 |
| #7 | #6 with Publication Year from 2019 to 2022, in Trials |
| KoreaMed | |
| #1 | ("Tobacco Use"[MH] OR "Tobacco Use Disorder"[MH] OR "Smokers"[MH]) AND ("Smoking Reduction"[MH] OR "Smoking Cessation"[MH]) AND ("Varenicline"[MH]) |

3-4) Key question

- Is pharmacotherapy effective for smoking cessation in patients with mental disorders?

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| Ovid MEDLINE(R) 1946 to present with daily update | |
| #1 | "Tobacco Use"/ or "Tobacco Use Disorder"/ or Tobacco Smoking/ or Smokers/ or Smoking/ or (Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*).tw,kw. |
| #2 | Varenicline/ or (Varenicline or Champix or Chantix).tw,kw |
| #3 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT).tw,kw. |
| #4 | Bupropion/ or (Bupropion or Zyban or Quomen or Zyantabac or Amfebutamone).tw,kw |
| #5 | OR/2-4 |
| #6 | 1 AND 5 |
| #7 | limit 6 to yr="2019-Current" |
| #8 | (Meta-Analysis as Topic/ or meta analy\$.tw. or metaanaly\$.tw. or Meta-Analysis/ or (systematic adj (review\$1 or overview\$1)).tw. or exp Review Literature as Topic/ or cochrane.ab. or embase.ab. or (psychlit or psychlit).ab. or (psychinfo or psycinfo).ab. or (cinahl or cinhal).ab. or science citation index.ab. or bids.ab. or cancerlit.ab. or reference list\$.ab. or bibliograph\$.ab. or hand-search\$.ab. or relevant journals.ab. or manual search\$.ab. or ((selection criteria.ab. OR data extraction.ab.) AND Review/)) not (Comment/ or Letter/ or Editorial/ or (animal/ not (animal/ and human/))) |
| #9 | (Randomized Controlled Trials as Topic/ or randomized controlled trial/ or Random Allocation/ or Double Blind Method/ or Single Blind Method/ or clinical trial/ or clinical trial, phase i.pt. or clinical trial, phase ii.pt. or clinical trial, phase iii.pt. or clinical trial, phase iv.pt. or controlled clinical trial.pt. or randomized controlled trial.pt. or multicenter study.pt. or clinical trial.pt. or exp Clinical Trials as topic/ or (clinical adj trial\$).tw. or ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw. or PLACEBOS/ or placebo\$.tw. or randomly allocated.tw. or (allocated adj2 random\$).tw.) not (case report.tw. or letter/ or historical article/) |
| #10 | OR/8-9 |
| #11 | 7 AND 10 |
| Embase | |
| #1 | 'tobacco use'/exp OR 'tobacco dependence'/exp OR 'smoking'/exp OR ((Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*)):ab,ti,kw |

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| #2 | 'varenicline'/exp or (Varenicline or Champix or Chantix):ab,ti,kw |
| #3 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT):ab,ti,kw |
| #4 | (Bupropion or Zyban or Quomen or Zyntabac or Amfebutamone):ab,ti,kw |
| #5 | #2 OR #3 OR #4 |
| #6 | #1 AND #5 |
| #7 | #6 AND [2019-2022]/py |
| #8 | #7 AND ('article'/it OR 'article in press'/it OR 'review'/it OR 'short survey'/it) |
| Cochrane libCochrane library | |
| #1 | [mh "Tobacco Use"] or [mh "Tobacco Use Disorder"] or [mh "Smokers"] or (Tobacco or Tobacco-use* or smoker* or smoking or cigar or cigarett*):ab,ti,kw |
| #2 | [mh "Varenicline"] or (Varenicline or Champix or Chantix):ab,ti,kw |
| #3 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT):ab,ti,kw |
| #4 | [mh "Bupropion"] or (Bupropion or Zyban or Quomen or Zyntabac or Amfebutamone):ab,ti,kw |
| #5 | #2 OR #3 OR #4 |
| #6 | #1 AND #5 |
| #7 | #6 with Publication Year from 2019 to 2022, in Trials |
| KoreaMed | |
| #1 | ("Tobacco Use"[MH] OR "Tobacco Use Disorder"[MH] OR "Smokers"[MH]) AND ("Mental Disorders"[MH] OR "Anxiety Disorders"[MH] OR "Schizophrenia"[MH] OR "Depression"[MH] OR "Depressive Disorder"[MH] OR "Bipolar Disorder"[MH] OR "Personality Disorders"[MH]) AND ("Varenicline"[MH]) |

3-5) Key question

- Is pharmacotherapy effective for smoking cessation in patients with chronic obstructive pulmonary disease (COPD)?

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| Ovid MEDLINE(R) 1946 to present with daily update | |
| #1 | Pulmonary Disease, Chronic Obstructive/ or (Chronic Obstructive Pulmonary Disease or Chronic Obstructive Lung Disease or Chronic Obstructive Airway Disease or Chronic Airflow Obstruction or Chronic Airflow Obstruction or copd).tw,kw. OR (Airflow Obstruction or chronic or chronic or chronically or chronicities or chronicity or chronicization or chronics).tw,kw. |
| #2 | Tobacco Products/ OR (tobacco products or smok* or cigar or cigarett* or nicotine*).tw,kw. |
| #3 | (cessation* or quit* or abstinen* or stop* or withdraw* or resist* or withstand* or give up).tw,kw. |
| #4 | 1 and 2 and 3 |
| #5 | Varenicline/ or (Varenicline).tw,kw |
| #6 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT or Combined modality Therapy).tw,kw. |
| #7 | Bupropion/ or (Bupropion).tw,kw |
| #8 | Drug Therapy/ or (Pharmacotherap* or drug therap* or (medication adj2 (therapy or treat*))).tw,kw |
| #9 | OR/5-8 |

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| #10 | 4 AND 9 |
| #11 | (Meta-Analysis as Topic/or meta analy\$.tw.or metaanaly\$.tw.or Meta-Analysis/or (systematic adj (review\$1 or overview\$1)).tw. or exp Review Literature as Topic/or cochrane.ab.or embase.ab.or (psychlit or psychlit).ab.or (psychinfo or psycinfo).ab.or (cinahl or cinhal).ab.or science citation index.ab.or bids.ab.or cancerlit.ab.or reference list\$.ab.or bibliograph\$.ab.or hand-search\$.ab.or relevant journals.ab.or manual search\$.ab.or ((selection criteria.ab. OR data extraction.ab.) AND Review/)) not (Comment/ or Letter/ or Editorial/ or (animal/ not (animal/ and human/))) |
| #12 | (Randomized Controlled Trials as Topic/ or randomized controlled trial/ or Random Allocation/ or Double Blind Method/ or Single Blind Method/ or clinical trial/ or clinical trial, phase i.pt. or clinical trial, phase ii.pt. or clinical trial, phase iii.pt. or clinical trial, phase iv.pt. or controlled clinical trial.pt. or randomized controlled trial.pt. or multicenter study.pt. or clinical trial.pt. or exp Clinical Trials as topic/ or (clinical adj trial\$.tw. or ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw. or PLACEBOS/ or placebo\$.tw. or randomly allocated.tw. or (allocated adj2 random\$.tw.) not (case report.tw. or letter/ or historical article/) |
| #13 | Epidemiologic Studies/ or exp Case Control Studies/ or exp Cohort Studies/ or Case-control.tw. or (cohort adj (study or studies)).tw. or Cohort analy\$.tw. or (Follow up adj (study or studies)).tw. or (observational adj (study or studies)).tw. or Longitudinal.tw. or Retrospective.tw.or Cross sectional.tw. or Cross-sectional studies/ |
| #14 | OR/11-13 |
| #15 | 10 AND 13 |
| Embase | |
| #1 | 'chronic obstructive lung disease'/exp or (Chronic Obstructive Pulmonary Disease or Chronic Obstructive Lung Disease or Chronic Obstructive Airway Disease or Chronic Airflow Obstruction or Chronic Airflow Obstruction or copd):ab,ti,kw OR (Airflow Obstruction or chronic or chronical or chronically or chronicities or chronicity or chronicization or chronics):ab,ti,kw |
| #2 | 'tobacco'/exp OR (tobacco products or smok* or cigar or cigarett* or nicotine*):ab,ti,kw |
| #3 | (cessation* or quit* or abstinen* or stop* or withdraw* or resist* or withstand* or give up):ab,ti,kw |
| #4 | #1 AND #2 AND #3 |
| #5 | 'varenicline'/exp OR (Varenicline):ab,ti,kw |
| #6 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT or Combined modality Therapy):ab,ti,kw |
| #7 | (Bupropion):ab,ti,kw |
| #8 | 'drug therapy'/exp or (Pharmacotherap* or drug therap* or (medication NEAR/2 (therapy or treat*))):ab,ti,kw |
| #9 | #5 OR #6 OR #7 OR #8 |
| #10 | #4 AND #9 |
| #11 | #10 AND [2019-2022]/py |
| #12 | #11 AND ('article'/it OR 'article in press'/it OR 'review'/it OR 'short survey'/it) |
| Cochrane library | |
| #1 | [mh "Pulmonary Disease, Chronic Obstructive"] OR (Chronic Obstructive Pulmonary Disease or Chronic Obstructive Lung Disease or Chronic Obstructive Airway Disease or Chronic Airflow Obstruction or Chronic Airflow Obstruction or copd):ab,ti,kw OR (Airflow Obstruction or chronic or chronical or chronically or chronicities or chronicity or chronicization or chronics):ab,ti,kw |
| #2 | [mh "tobacco"] or (tobacco products or smok* or cigar or cigarett* or nicotine*):ab,ti,kw |
| #3 | (cessation* or quit* or abstinen* or stop* or withdraw* or resist* or withstand* or give up):ab,ti,kw |
| #4 | #1 AND #2 AND #3 |

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| #5 | [mh "Varenicline"] or (Varenicline):ab,ti,kw |
| #6 | (Nicotine patch or NRT patch or NRT monotherapy or patch monotherapy or single NRT or Combination NRT or Dual NRT or Combined modality Therapy):ab,ti,kw |
| #7 | (Bupropion):ab,ti,kw |
| #8 | [mh "drug therapy"] or (Pharmacotherap* or drug therap* or (medication NEAR/2 (therapy or treat*))) :ab,ti,kw |
| #9 | #5 OR #6 OR #7 OR #8 |
| #10 | #4 AND #9 |
| #11 | #10 with Publication Year from 2019 to 2022, in Trials |
| KoreaMed | |
| #1 | ("Pulmonary Disease, Chronic Obstructive"[MH]) AND ("tobacco"[MH]) AND ("Varenicline"[MH]) |