

## Search Strategy of literature database

1. MEDLINE + PMC (PubMed) Last running date of literature searching September 18th 2024.

#1: "Ventricular Fibrillation"[MeSH Terms] and "VF"[Title/Abstract] and "Ventricular Fibrillation"[Title/Abstract]

#2: "electrical storm\*"[Title/Abstract] OR "electric storm\*"[Title/Abstract] OR "arrhythmia storm\*"[Title/Abstract] OR "arrhythmic storm\*"[Title/Abstract] OR "vf storm\*"[Title/Abstract] OR "fibrillation storm\*"[Title/Abstract]

#3: "arrhythmia"[Title/Abstract] or "arrythmia"[Title/Abstract] or "dysrhythmia"[Title/Abstract] or "Arrhythmias, Cardiac"[mesh:noexp] or "Arhythmia"[Title/Abstract] or "Arythmia"[Title/Abstract] or "Arrhytmia"[Title/Abstract]

#4: "Heart Arrest"[MeSH Terms] or "heart arrest"[Title/Abstract] or "cardiac arrest"[Title/Abstract] or "cardiopulmonary arrest"[Title/Abstract]

#5: "Electric Countershock"[MeSH Terms] OR "defibrillat\*"[Title/Abstract] OR "cardioversion\*"[Title/Abstract] OR "countershock\*"[Title/Abstract] OR "direct current"[Title/Abstract] OR "dc defibrillat\*"[Title/Abstract] OR "dc cardioversion\*"[Title/Abstract] OR "DC countershock"[Title/Abstract] OR "DC shock"[Title/Abstract]

#6: "sinus restoration"[Title/Abstract] or "rhythm control"[Title/Abstract] or ("sinus rhythm"[Title/Abstract] AND ("achieving"[Title/Abstract] or "reestablishing"[Title/Abstract] or "re-establishing"[Title/Abstract] or "restor\*"[Title/Abstract] or "control\*"[Title/Abstract]))

#7: "Return of Spontaneous Circulation"[Title/Abstract] or "autoresuscitation"[Title/Abstract] or "auto resuscitation"[Title/Abstract] or "Lazarus Phenomenon"[Title/Abstract] or "ROSC"[Title/Abstract] or "Return of Spontaneous Circulation"[MeSH Terms]

#8: #3 and (#4 or #5)

#9: #1 or #2 or #6 or #7 or #8

#10: "sedat\*"[Title/Abstract] OR "Hypnotics and Sedatives"[mesh:noexp] OR "thiopental"[Title/Abstract] OR "thiopentone"[Title/Abstract] OR "Thiopental"[MeSH Terms] OR "midazolam"[Title/Abstract] OR "midazolam"[MeSH Terms] OR "Propofol"[Title/Abstract] OR "Propofol"[MeSH Terms] OR "dexmedetomidine"[Title/Abstract] OR "dexmedetomidine"[MeSH Terms] OR "fentanyl"[Title/Abstract] OR "Fentanyl"[MeSH Terms] OR "Lorazepam"[Title/Abstract] OR "Lorazepam"[MeSH Terms] OR "Diazepam"[Title/Abstract] OR "Diazepam"[MeSH Terms] OR "benzodiazepin"[Title/Abstract] OR "Benzodiazepines"[mesh:noexp]

#11: #9 and #10

#12: 0001/01/01:2024/09/16 [Date - Create]

#13: #11 and #12

2. Science Citation Index Expanded(Web of Science) Last running date of literature searching:, September 18th 2024.

#1: TS=("Ventricular Fibrillation") OR TS=("VF")

#2: TS=("electrical storm\*") OR TS=("electric storm\*") OR TS=("arrhythmia storm\*") OR TS=("arrhythmic storm\*") OR TS=("vf storm\*") OR TS=("fibrillation storm\*")

#3: TS=("arrhythmia") OR TS=("arrythmia") OR TS=("dysrhythmia") OR TS=("Arhythmia") OR TS=("Arythmia") OR TS=("Arrhytmia")

#4: TS=("heart arrest") OR TS=("cardiac arrest") OR TS=("cardiopulmonary arrest")

#5: TS=(defibrillat\*) OR TS=(cardioversion\*) OR TS=(countershock\*) OR TS=("direct current") OR TS=("dc defibrillat\*") OR TS=("dc cardioversion\*") OR TS=("DC countershock") OR TS=("DC shock")

#6: TS=("sinus restoration") OR TS=("rhythm control") OR (TS=("sinus rhythm") AND (TS=("achieving") OR TS=("reestablishing") OR TS=("re-establishing") OR TS=("restor\*") OR TS=("control\*")))

#7: TS=("Return of Spontaneous Circulation") OR TS=("autoresuscitation") OR TS=("auto resuscitation") OR TS=("Lazarus Phenomenon") OR TS=("ROSC")

#8: #3 and (#4 or #5)

#9: #1 OR #2 OR #6 OR #7 OR #8

#10: TS=(sedat\*) OR TS=(thiopental) OR TS=(thiopentone) OR TS=(midazolam) OR TS=(Propofol) OR TS=(dexmedetomidine) OR TS=(Fentanyl) OR TS=(Lorazepam) OR TS=(Diazepam) OR TS=(Benzodiazepine\*)

#11: #9 and #10

#12: #11 with index date from 1973-01-01 to 2024-09-16

3. Cochrane Central Register of Controlled Trials(Cochrane Library) Last running date of literature searching:, September 18th 2024.

#1: [mh "Ventricular Fibrillation"] OR "VF":ti,ab,kw OR "Ventricular Fibrillation":ti,ab,kw

#2: ("electrical" NEXT storm\*):ti,ab,kw OR ("electric" NEXT storm\*):ti,ab,kw OR ("arrhythmia" NEXT storm\*):ti,ab,kw OR ("arrhythmic" NEXT storm\*):ti,ab,kw OR ("vf" NEXT storm\*):ti,ab,kw OR ("fibrillation" NEXT storm\*):ti,ab,kw

#3: arrhythmia:ti,ab,kw OR arrhythmia:ti,ab,kw OR dysrhythmia:ti,ab,kw OR [mh ^"Arrhythmias, Cardiac"] OR Arhythmia:ti,ab,kw OR Arythmia:ti,ab,kw OR Arrhythmia:ti,ab,kw

#4: [mh "Heart Arrest"] OR "heart arrest":ti,ab,kw OR "cardiac arrest":ti,ab,kw OR "cardiopulmonary arrest":ti,ab,kw

#5: [mh "Electric Countershock"] OR defibrillat\*:ti,ab,kw OR cardioversion\*:ti,ab,kw OR countershock\*:ti,ab,kw OR "direct current":ti,ab,kw OR ("dc" NEXT defibrillat\*):ti,ab,kw OR ("dc" NEXT cardioversion\*):ti,ab,kw OR "DC countershock":ti,ab,kw OR "DC shock":ti,ab,kw

#6: "sinus restoration":ti,ab,kw OR "rhythm control":ti,ab,kw OR (("sinus rhythm":ti,ab,kw) AND ("achieving":ti,ab,kw OR "reestablishing":ti,ab,kw OR "re-establishing":ti,ab,kw OR restor\*:ti,ab,kw OR control\*:ti,ab,kw))

#7: "Return of Spontaneous Circulation":ti,ab,kw OR autoresuscitation:ti,ab,kw OR "auto resuscitation":ti,ab,kw OR "Lazarus Phenomenon":ti,ab,kw OR ROSC:ti,ab,kw OR [mh "Return of Spontaneous Circulation"]

#8: #3 and (#4 or #5)

#9: #1 OR #2 OR #6 OR #7 OR #8

#10: sedat\*:ti,ab,kw OR [mh ^"Hypnotics and Sedatives"] OR thiopental:ti,ab,kw OR thiopentone:ti,ab,kw OR [mh Thiopental] OR midazolam:ti,ab,kw OR [mh midazolam] OR Propofol:ti,ab,kw OR [mh Propofol] OR dexmedetomidine:ti,ab,kw OR [mh dexmedetomidine] OR fentanyl:ti,ab,kw OR [mh Fentanyl] OR Lorazepam:ti,ab,kw OR [mh Lorazepam] OR Diazepam:ti,ab,kw OR [mh Diazepam] OR benzodiazepin\*:ti,ab,kw OR [mh ^Benzodiazepines]

#11: #9 AND #10

#12: #11 with index date from 1973-01-01 to 2024-09-16

4. Japana Centra Revuo Medicina/Igaku Chuo Zasshi(Ichushi-Web) Last running date of literature searching:, September 18th 2024.

#1 : (("Ventricular Fibrillation"/TA) or ("VF"/TA) or (心室細動/TA) or (心細動/TA) or (心臓細動/TA) or (心室性細動/TA) or (心室細動/TH))

#2 : (("electrical storm"/TA) or ("electric storm"/TA) or ("arrhythmia storm"/TA) or ("arrhythmic storm"/TA) or ("vf storm"/TA) or ("fibrillation storm"/TA) or (電気的ストーム/TA) or (電気的嵐/TA) or (vf ストーム/TA) or (細動ストーム/TA) or (不整脈ストーム/TH))

#3 : (("Arrhythmia"/TA) or ("Arrhythmia"/TA) or ("Dysrhythmia"/TA) or ("Cardiac Arrhythmia"/TA) or ("Arhythmia"/TA) or

("Arythmia"/TA) or ("Arrhytmia"/TA) or (不整脈/TA) or (脈拍異常/TA) or (不整脈/TH))

#4: (("Heart Arrest"/TA) or ("Cardiac Arrest"/TA) or ("Cardiopulmonary Arrest"/TA) or (心停止/TA) or (心拍停止/TA) or (心臓停止/TA) or (心静止/TA) or (心肺停止/TA) or (心臓呼吸停止/TA) or (心肺機能停止/TA) or (心房停止/TA) or (心停止/TH))

#5: ((電氣的除細動/TH) or (除細動/TA) or (DC ショック/TA) or ("DC shock"/TA) or (defibrillat/TA) or (cardioversion/TA) or (カウンターショック/TA) or (countershock/TA) or (カルジオバージョン/TA) or (カルディオバージョン/TA))

#6: (((("sinus"/TA) or (サイナス/TA) or (洞性調律/TA) or (洞調律/TA)) and (("achieving"/TA) or ("reestablishing"/TA) or ("re-establishing"/TA) or ("restor"/TA) or ("control"/TA) or (回復/TA) or (復帰/TA))) or (("rhythm control"/TA) or (リズムコントロール/TA)))

#7: (((((((("Return of Spontaneous Circulation"/TA) or (autoresuscitation/TA) or ("auto resuscitation"/TA) or ("Lazarus Phenomenon"/TA) or (心拍再開/TA))) or ((自己心拍/TA) and (再開/TA)))) or ((rosco/TA) not (rosco/TA or roscl/TA or rosci/TA or roscl/TA or rosca/TA or roscl/TA or roscy/TA or roscl/TA)))

#8: #3 and (#4 or #5)

#9: #1 or #2 or #6 or #7 or #8

#10: ((@"催眠剤と鎮静剤"/TH) or (sedation/TA) or (sedative/TA) or (Thiopental/TH) or (Thiopental/TA) or (Thiopentone/TA) or (チオペンタール/TA) or (チオペントン/TA) or (Midazolam/TH) or (Midazolam/TA) or (ミダゾラム/TA) or (Propofol/TH) or (Propofol/TA) or (プロポフォール/TA) or (Dexmedetomidine/TH) or (Dexmedetomidine/TA) or (デクスメドミジン/TA) or (Fentanyl/TH) or (Fentanyl/TA) or (フェンタニール/TA) or (フェンタニル/TA) or (Lorazepam/TH) or (Lorazepam/TA) or (ロラゼパム/TA) or (Diazepam/TH) or (Diazepam/TA) or (ジアゼパム/TA) or (@ "Benzodiazepines"/TH) or (Benzodiazepine/TA) or (ベンゾジアゼピン/TA))

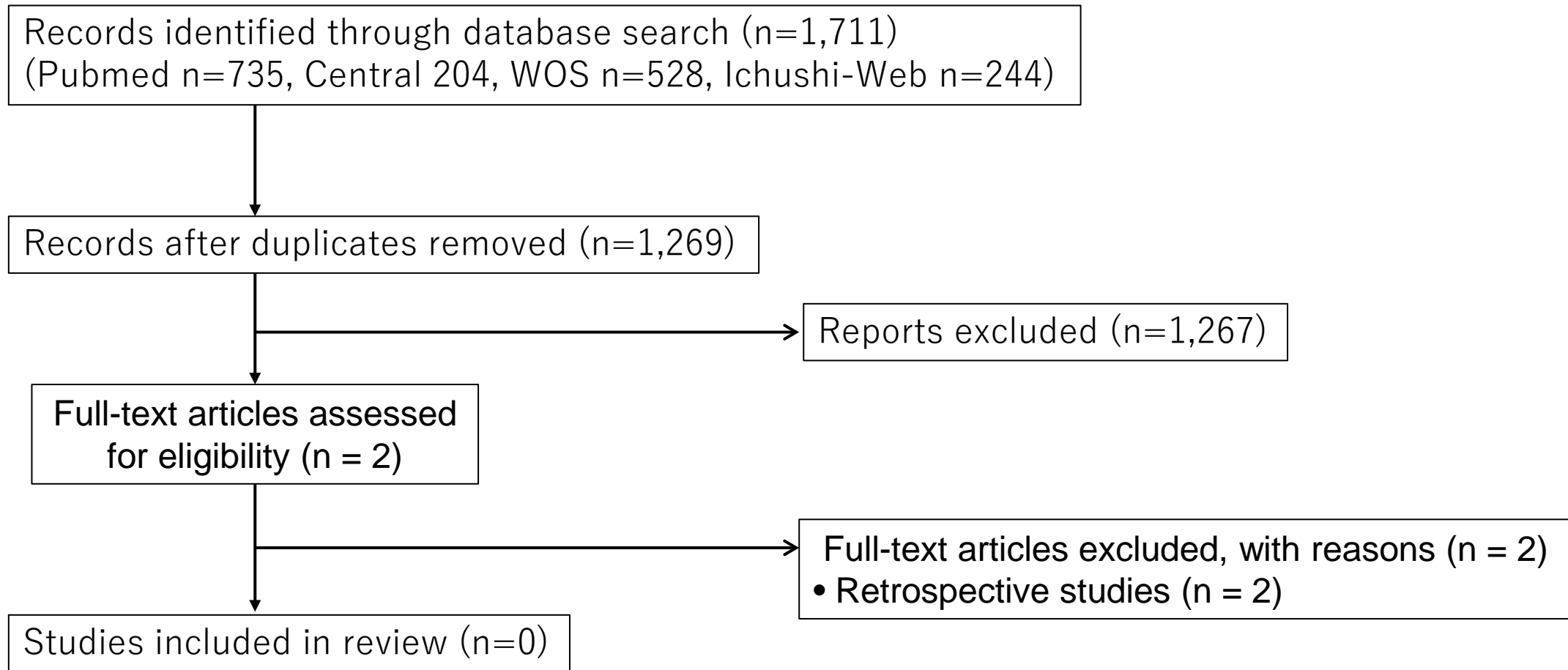
#11: #9 and #10

#12: DT=0001:2024 and PDAT=0001/01/01:2024/09/16

#13: #11 and #12

#14: (PT=原著論文)

#15: #13 and #14



PRISMA flow diagram