Appendix 1. Search strategies of the systematic review

A. MEDLINE (PubMed)

#1 "Cannabis"[Mesh] OR (Cannabis) OR (Cannabi) OR (Hemp Plant) OR (Hemp Plants) OR (Plant, Hemp) OR (Plants, Hemp) OR (Marihuana) OR (Marijuana) OR (Cannabis indica) OR (Hemp) OR (Hemps) OR (Ganja) OR (Ganjas) OR (Hashish) OR (Hashishs) OR (Bhang) OR (Bhangs) OR (Cannabis sativa) OR "Medical Marijuana"[Mesh] OR (Medical Marijuana) OR (Marijuana, Medical) OR (Medicinal Cannabis) OR (Cannabis, Medicinal) OR (Marijuana Treatment) OR (Treatment, Marijuana) OR (Medicinal Marijuana) OR (Marijuana, Medicinal) OR (Medical Cannabis) OR (Cannabis, Medical) OR (Marijuana Dispensaries) OR (Dispensaries, Marijuana) OR "Cannabidiol"[Mesh] OR (Cannabidiol) OR "Cannabinoids"[Mesh] OR (Cannabinoids) OR "Cannabinol"[Mesh] OR (Cannabinol) OR "Dronabinol"[Mesh] OR (Dronabinol) OR (delta(9)-THC) OR (9-ene-Tetrahydrocannabinol) OR (9 ene Tetrahydrocannabinol) OR (THC) OR (delta(1)-Tetrahydrocannabinol) OR (delta(1)-THC) OR (delta(9)-Tetrahydrocannabinol) OR (Tetrahydrocannabinol) OR (Tetrahydrocannabinol, (6a-trans)-Isomer) OR (Tetrahydrocannabinol, Trans-Isomer) OR (Tetrahydrocannabinol, Trans Isomer) OR (Tetrahydrocannabinol, (6aS-cis)-Isomer) OR (Tetrahydrocannabinol, Trans-(+-)-Isomer) OR (Marinol) OR (Tetrahydrocannabinol, (6aR-cis)-Isomer) OR (CBD) OR (Phytocannabinoid\*)

#2 "veterinary" [Subheading] OR (veterinary) OR "Veterinary Medicine"[Mesh] OR (Veterinary Medicine) OR (Medicine, Veterinary) OR (Veterinary use) OR "Pets"[Mesh] OR (pets) OR (Pet) OR (Companion Animals) OR (Animal, Companion) OR (Animals, Companion) OR (Companion Animal)

#1 AND #2

B. Embase

#1 'cannabis'/exp OR (bhang) OR (cannabis alkaloid) OR (cannabis constituent) OR (cannabis extract) OR (cannabis herba) OR (cannabis leaf) OR (Cannabis sativa extract) OR (Cannabis sativa leaf) OR (Cannabis sativa resin) OR (cannador) OR (charas) OR (ganja) OR (ganjah) OR (hashish) OR (hashish oil) OR (hemp extract) OR (herba cannabis) OR (Indian bhang) OR (Indian ganja) OR (marihuana) OR (marijuana) OR (mexican marihuana) OR 'medical cannabis'/exp OR (medical marihuana) OR (medical marijuana) OR (medicinal cannabis) OR (medicinal marihuana) OR (medicinal marijuana) OR 'cannabidiol'/exp OR (2 3 methyl 6 1 methylethenyl 2 cyclohexen 1 yl 5 pentyl 1, 3 benzenediol) OR (2 3 methyl 6 prop 1 en 2 yl cyclohex 2 en 1 yl 5 pentylbenzene 1, 3 diol) OR (epidiolex) OR (epidyolex) OR (gwp 42003p) OR (gwp42003p) OR (nabidiolex) OR (trans cannabidiol) OR 'cannabinoid'/exp OR (cannabinoids) 'cannabinol'/exp OR (3 pentyl 6, 6, 9 trimethyl 6h dibenzopyran 1 ol) OR 'dronabinol'/exp OR (1 trans delta 9 tetrahydrocannabinol) OR (delta 1 3, 4 trans tetrahydrocannabinol) OR (delta 1 tetrahydrocannabinol) OR (delta 1 trans tetrahydrocannabinol) OR (delta 1, 2 tetrahydrocannabinol) OR (delta 9 tetrahydrocannabinol) OR (delta 9 trans tetrahydrocannabinol) OR (delta1 3, 4 trans tetrahydrocannabinol) OR (delta1 cis tetrahydrocannabinol) OR (delta1 tetrahydrocannabinol) OR (delta1 thc) OR (delta1 trans tetrahydrocannabinol) OR (delta9 tetrahydro cannabinol) OR (delta9 tetrahydrocannabinol) OR (delta9 trans tetrahydrocannabinol) OR (ea 1477) OR (ea1477) OR (l delta 9 trans tetrahydrocannabinol) OR (levo delta 1 tetrahydrocannabinol) OR (levo delta 9 tetrahydrocannabinol) OR (marinol) OR (qcd 84924) OR (syndros) OR (tetrahydrocannabinol 1 ene) OR (tetrahydrocannabinol delta1) OR (tetrahydrocannabinol delta9) OR (tetranabinex) OR (trans delta 9 tetrahydrocannabinol) OR (u1 tetrahydrocannabinol) OR (u9 tetrahydrocannabinol) OR 'phytocannabinoid'/exp OR (CBD)

#2 'veterinary medicine'/exp OR (veterinary) OR (Veterinary use) OR 'pet animal'/exp OR (pet animals) OR (pets) OR (Companion Animals) OR (Animal, Companion) OR (Animals, Companion) OR (Companion Animal)

#1 AND #2

C. Scopus

TITLE-ABS-KEY(Cannabis OR Cannabi OR "Hemp Plant" OR "Hemp Plants" OR "Plant, Hemp" OR "Plants, Hemp" OR Marihuana OR Marijuana OR "Cannabis indica" OR Hemp OR Hemps OR Ganja OR Ganjas OR Hashish OR Hashishs OR Bhang OR Bhangs OR "Cannabis sativa" OR "Medical Marijuana" OR "Marijuana, Medical" OR "Medicinal Cannabis" OR "Cannabis, Medicinal" OR "Marijuana Treatment" OR "Treatment, Marijuana" OR "Medicinal Marijuana" OR "Marijuana, Medicinal" OR "Medical Cannabis" OR "Cannabis, Medical" OR "Marijuana Dispensaries" OR "Dispensaries, Marijuana" OR "Cannabidiol" OR "Cannabinoids" OR "Cannabinol" OR "Dronabinol" OR "delta(9)-THC" OR "9-ene-Tetrahydrocannabinol" OR "9 ene Tetrahydrocannabinol" OR THC OR "delta(1)-Tetrahydrocannabinol" OR "delta(1)-THC" OR "delta(9)-Tetrahydrocannabinol" OR "Tetrahydrocannabinol" OR "Tetrahydrocannabinol, (6a-trans)-Isomer" OR "Tetrahydrocannabinol, Trans-Isomer" OR "Tetrahydrocannabinol, Trans Isomer" OR "Tetrahydrocannabinol, (6aS-cis)-Isomer" OR "Tetrahydrocannabinol, Trans-(+-)-Isomer" OR Marinol OR "Tetrahydrocannabinol, (6aR-cis)-Isomer" OR CBD OR Phytocannabinoid\*) AND TITLE-ABS-KEY(veterinary OR "Veterinary Medicine" OR "Medicine, Veterinary" OR "Veterinary use" OR Pets OR Pet OR "Companion Animals" OR "Animal, Companion" OR "Animals, Companion" OR "Companion Animal")

D. Web of Science

#1 TS=(Cannabis OR Cannabi OR "Hemp Plant" OR "Hemp Plants" OR "Plant, Hemp" OR "Plants, Hemp" OR Marihuana OR Marijuana OR "Cannabis indica" OR Hemp OR Hemps OR Ganja OR Ganjas OR Hashish OR Hashishs OR Bhang OR Bhangs OR "Cannabis sativa" OR "Medical Marijuana" OR "Marijuana, Medical" OR "Medicinal Cannabis" OR "Cannabis, Medicinal" OR "Marijuana Treatment" OR "Treatment, Marijuana" OR "Medicinal Marijuana" OR "Marijuana, Medicinal" OR "Medical Cannabis" OR "Cannabis, Medical" OR "Marijuana Dispensaries" OR "Dispensaries, Marijuana" OR "Cannabidiol" OR "Cannabinoids" OR "Cannabinol" OR "Dronabinol" OR "delta(9)-THC" OR "9-ene-Tetrahydrocannabinol" OR "9 ene Tetrahydrocannabinol" OR THC OR "delta(1)-Tetrahydrocannabinol" OR "delta(1)-THC" OR "delta(9)-Tetrahydrocannabinol" OR "Tetrahydrocannabinol" OR "Tetrahydrocannabinol, (6a-trans) -Isomer" OR "Tetrahydrocannabinol, Trans-Isomer" OR "Tetrahydrocannabinol, Trans Isomer" OR "Tetrahydrocannabinol, (6aS-cis) -Isomer" OR "Tetrahydrocannabinol, Trans-(+-)-Isomer" OR Marinol OR "Tetrahydrocannabinol, (6aR-cis) -Isomer" OR CBD OR Phytocannabinoid\*)

#2 TS=(veterinary OR "Veterinary Medicine" OR "Medicine, Veterinary" OR "Veterinary use" OR Pets OR Pet OR "Companion Animals" OR "Animal, Companion" OR "Animals, Companion" OR "Companion Animal")

#1 AND #2

E. LILACS

#1 MH:Cannabis OR (Cannabis) OR (Bhang) OR (Bhangs) OR (Cannabi) OR (Cannabis indica) OR (Cannabis indicas) OR (Cannabis sativa) OR (Cannabis sativas) OR (Ganja) OR (Ganjas) OR (Hashish) OR (Hashishs) OR (Hemp) OR (Hemp Plant) OR (Hemp Plants) OR (Hemps) OR (Marihuana) OR (Marihuanas) OR (Marijuana) OR (Marijuanas) OR (Plant, Hemp) OR (Plants, Hemp) OR (indicas, Cannabis) OR (sativas, Cannabis) OR MH:B01.650.940.800.575.912.250.859.937.055.500$ OR MH:HP4.018.189.205$ OR MH:"Medical Marijuana" OR (Medical Marijuana) OR (Marihuana Medicinal) OR (Maconha Medicinal) OR (Cannabis, Medical) OR (Cannabis, Medicinal) OR (Dispensaries, Marijuana) OR (Marijuana Dispensaries) OR (Marijuana Treatment) OR (Marijuana, Medical) OR (Marijuana, Medicinal) OR (Medical Cannabis) OR (Medicinal Cannabis) OR (Medicinal Marijuana) OR (Treatment, Marijuana) OR MH:D26.528$ OR MH:Cannabidiol OR (Cannabidiol) OR (Canabidiol) OR MH:D02.455.849.090.100$ OR MH:Cannabinol OR (Cannabinol) OR (Canabinol) OR MH:D02.455.849.090.110$ OR MH:Dronabinol OR (Dronabinol) OR (9 ene Tetrahydrocannabinol) OR (9-ene-Tetrahydrocannabinol) OR (Marinol) OR (THC) OR (Tetrahydrocannabinol) OR (Tetrahydrocannabinol, 6a-trans-Isomer) OR (Tetrahydrocannabinol, 6aR-cis-Isomer) OR (Tetrahydrocannabinol, 6aS-cis-Isomer) OR (Tetrahydrocannabinol, Trans Isomer) OR (Tetrahydrocannabinol, Trans +- Isomer) OR (Tetrahydrocannabinol, Trans-Isomer) OR (delta 1 -THC) OR (delta 1 -Tetrahydrocannabinol) OR (delta 9 -THC) OR (delta 9 -Tetrahydrocannabinol) OR MH:D02.455.849.090.810$ OR (CBD) OR (Phytocannabinoid$)

#2 MH:"/veterinary" OR (veterinary) OR (veterinaria) OR (veterinária) OR MH:"Veterinary Medicine" OR (Veterinary Medicine) OR (Medicina Veterinaria) OR (Medicina Veterinária) OR (Medicine, Veterinary) OR MH:H02.956$ OR (Veterinary use) OR MH:Pets OR (Pets) OR (Mascotas) OR (Animais de Estimação) OR (Animal, Companion) OR (Animals, Companion) OR (Companion Animal) OR (Companion Animals) OR (Pet) OR MH:B01.050.050.116.600$

#1 AND #2

 F. Google Scholar

(Cannabis OR "Medical Marijuana" OR Cannabinoids OR Cannabinol OR Dronabinol OR THC OR CBD) AND (veterinary OR "Veterinary Medicine" OR "Veterinary Use" OR Pet OR "Companion Animal")

Appendix 2. List of excluded studies.

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| --- | --- | --- | --- |
| **Reason for exclusion** | **Authors, year** | **Title** | **Reference** |
| Conference abstract | Mejia et al., 2019 | Evaluation of the Effect of Cannabidiol on Osteoarthritis-Associated Pain in Dogs—A Pilot Study | Vet Comp Orthop Traumatol 2019; 32(S 04): A13-A24 |
| Palma and Palma, 2019 | Proposed Treatment of Refractory Epilepsy in Dogs  | Med Cannabis Cannabinoids 2019;2:69–83 |
| Commentary | Morrow and Belshaw, 2020 | Does the addition of cannabidiol to conventional antiepileptic drug treatment reduce seizure frequency in dogs with epilepsy? | Vet Rec. 2020 May 2;186(15):492-493 |
| Morrow and Belshaw, 2020 | Does the addition of cannabidiol alongside current drug treatments reduce pain in dogs with osteoarthritis? | Vet Rec. 2020 May 2;186(15):493-494. |
| Healthy animals with an induced condition | Mclver et al., 2020 | Effects of topical treatment of cannabidiol extract in a unique manuka factor 5 manuka honey carrier on second intention wound healing on equine distal limb wounds: a preliminary study | Aust Vet J. 2020 Jun;98(6):250-255. |
| Morris et al., 2020 | The Impact of Feeding Cannabidiol (CBD) Containing Treats on Canine Response to a Noise-Induced Fear Response Test | Front Vet Sci. 2020 Sep 22;7:569565. |
| Review | Ritter et al., 2020 | Cannabis, One Health, and Veterinary Medicine: Cannabinoids’ Role in Public Health, Food Safety, and Translational Medicine | Rambam Maimonides Med J. 2020 Jan 30;11(1):e0006 |