

Supplemental file 2

Search strategy

embase.com

('beta adrenergic receptor blocking agent'/exp OR (((beta* OR β OR β 1 OR β 2 OR β 3) NEAR/3 (block* OR antagonist*)) OR adaprolol* OR afurolool* OR alprenolol* OR befunolol* OR bfe-55* OR bopindolol* OR bornaprolol* OR bromoacetylalprenololmenthane* OR bucindolol* OR bucumolol* OR bufetolol* OR bufuralol* OR bunitrolol* OR bunolol* OR bupranolol* OR butofilolol* OR carazolol* OR carpindolol* OR carteolol* OR carvedilol* OR cloranolol* OR deacetylmetipranolol* OR dexpropranolol* OR diacetolol* OR dichlorisoprenaline* OR dihydroalprenolol* OR dilevalol* OR diprafenone* OR ersentilide* OR exaprolol* OR falintolol* OR flestolol* OR hydroxybenzylpindolol* OR indenolol* OR iodopindolol* OR iprocrolol* OR isamoltane* OR isoxaprolol* OR labetalol* OR levobunolol* OR levomoprolol* OR mepindolol* OR mercuderamide* OR metipranolol* OR moprolol* OR nadolol* OR nifenalol* OR oberadilol* OR oxprenolol* OR pafenolol* OR pamatolol* OR penbutolol* OR pindolol* OR primidolol* OR prizidilol* OR procinolol* OR pronetalol* OR propranolol* OR proxodolol* OR ridazolol* OR soquinolol* OR sotalol* OR spirendolol* OR tazolol* OR tertatolol* OR tienoxolol* OR tilisolol* OR timolol* OR tolamolol* OR toliprolol* OR trasitensin* OR trepress* OR tribendilol* OR viskaldix* OR xibenolol* OR zoleprodolol* OR acebutolol* OR alpha-hydroxymetoprolol* OR atenolol* OR bendacalol* OR betaxolol* OR bevantolol* OR bisoprolol* OR celiprolol* OR cetamolol* OR cyanoiodopindolol* OR cyanopindolol* OR dramedilol* OR epanolol* OR esmolol* OR flusoxolol* OR landiolol* OR metoprolol* OR nebivolol* OR practolol* OR ritodrine* OR salcardolol* OR sandoz-204545* OR talinolol* OR vortioxetine* OR bendacalol* OR butoxamine* OR cicloprolol* OR arotinolol*):Ab,ti) AND (pregnancy/exp OR 'pregnant woman'/de OR 'prenatal exposure'/de OR 'breast feeding'/exp OR 'breast milk'/de OR lactation/de OR 'maternal exposure'/de OR 'maternal treatment'/de OR 'prenatal drug exposure'/de OR 'prenatal period'/de OR 'maternal hypertension'/de OR 'intrauterine growth retardation'/de OR 'pregnancy disorder'/de OR 'pregnancy outcome'/exp OR 'drug milk level'/de OR 'placental transfer'/de OR 'perinatal drug exposure'/de OR (pregnan* OR prenatal* OR (breast NEXT/1 (feed* OR fed OR milk)) OR human-milk OR lactat* OR intra-uterin* OR intrauterin* OR ((fetus* OR foetus* OR fetal* OR foetal*) NEAR/3 expos*) OR mother OR maternal OR placenta* OR perinatal* OR peri-natal*):Ab,ti) AND (bradycardia/exp OR 'adverse event'/de OR 'side effect'/de OR 'intrauterine growth retardation'/de OR 'low birth weight'/exp OR hypoglycemia/de OR 'pregnancy outcome'/de OR stillbirth/exp OR 'Apgar score'/de OR hemodynamics/de OR 'toxicity and intoxication'/exp OR complication/de OR 'birth weight'/de OR prematurity/exp OR (adverse* OR bradycard* OR effect* OR ((intrauterin* OR intra-uterin*) NEAR/3 growth) OR birth-weight* OR birthweight* OR (small NEXT/2 (date OR gestation*)) OR hypoglycemi* OR hypoglycaemia OR ((pregnan* OR deliver* OR obstetr* OR childbirth OR labour OR labor) NEAR/3 outcome*) OR stillbirth OR stillborn OR still-birth OR still-born OR Apgar OR harm* OR toxic* OR intoxic* OR hemodynamic* OR haemodynamic* OR complication* OR (prematu* NEAR/3 (birth)) OR prematurity):ab,ti) AND (newborn/exp OR 'low birth weight'/exp OR stillbirth/exp OR 'Apgar score'/de OR 'birth weight'/de OR (newborn* OR new-born* OR neonat* OR postnatal* OR birth-weight* OR birthweight* OR (small NEXT/2 (date OR gestation*)) OR stillbirth OR stillborn OR still-birth OR still-born OR Apgar):ab,ti) NOT ([animals]/lim NOT [humans]/lim) NOT ([conference abstract]/lim AND [2000-2018]/py) AND [english]/lim

Medline ALL Ovid

(exp Adrenergic beta-Antagonists/ OR (((beta*) ADJ3 (block* OR antagonist*)) OR adaprolol* OR afurolol* OR alprenolol* OR befunolol* OR bfe-55* OR bopindolol* OR bornaprolol* OR bromoacetylalprenololmenthane* OR bucindolol* OR bucumolol* OR bufetolol* OR bufuralol* OR bunitrolol* OR bunolol* OR bupranolol* OR butofilolol* OR carazolol* OR carpindolol* OR carteolol* OR carvedilol* OR cloranolol* OR deacetylmepipranolol* OR dexpropranolol* OR diacetolol* OR dichlorisoprenaline* OR dihydroalprenolol* OR dilevalol* OR diprafenone* OR ersentilide* OR exaprolol* OR falintolol* OR flestolol* OR hydroxybenzylpindolol* OR indenolol* OR iodopindolol* OR iprocrolol* OR isamoltane* OR isoxaprolol* OR labetalol* OR levobunolol* OR levomoprolol* OR mepindolol* OR mercuderamide* OR metipranolol* OR moprolol* OR nadolol* OR nifenalol* OR oberadilol* OR oxprenolol* OR pafenolol* OR pamatolol* OR penbutolol* OR pindolol* OR primidolol* OR prizidilol* OR procinolol* OR pronetalol* OR propranolol* OR proxodolol* OR ridazolol* OR soquinolol* OR sotalol* OR spirendolol* OR tazolol* OR tertatolol* OR tienoxolol* OR tilisolol* OR timolol* OR tolamolol* OR toliprolol* OR trasitensin* OR trepress* OR tribendilol* OR viskaldix* OR xibenolol* OR zoleprodolol* OR acebutolol* OR alpha-hydroxymetoprolol* OR atenolol* OR bendacalol* OR betaxolol* OR bevantolol* OR bisoprolol* OR celiprolol* OR cetamolol* OR cyanoiodopindolol* OR cyanopindolol* OR dramedilol* OR epanolol* OR esmolol* OR flusoxolol* OR landiolol* OR metoprolol* OR nebivolol* OR practolol* OR ritodrine* OR salcardolol* OR sandoz-204545* OR talinolol* OR vortioxetine* OR bendacalol* OR butoxamine* OR cicloprolol* OR arotinolol*).ab,ti.) AND (exp Pregnancy/ OR Pregnant Women/ OR Breast Feeding/ OR Milk, Human/ OR Lactation/ OR Maternal Exposure/ OR Maternal-Fetal Exchange/ OR Prenatal Exposure Delayed Effects/ OR Fetal Growth Retardation/ OR exp Pregnancy Outcome/ OR (pregnan* OR prenatal* OR (breast ADJ (feed* OR fed OR milk)) OR human-milk OR lactat* OR intra-uterin* OR intrauterin* OR ((fetus* OR foetus* OR fetal* OR foetal*) ADJ3 expos*) OR mother OR maternal OR placenta* OR perinatal* OR peri-natal*).ab,ti.) AND (Bradycardia/ OR Drug-Related Side Effects and Adverse Reactions/ OR Fetal Growth Retardation/ OR Infant, Low Birth Weight/ OR Hypoglycemia/ OR Pregnancy Outcome/ OR Stillbirth/ OR Apgar Score/ OR Hemodynamics/ OR toxicity.xs. OR complication.xs. OR exp Birth Weight/ OR exp Infant, Premature/ OR (adverse* OR bradycard* OR effect* OR ((intrauterin* OR intra-uterin*) ADJ3 growth) OR birth-weight* OR birthweight* OR (small ADJ2 (date OR gestation*)) OR hypoglycemi* OR hypoglycaemia OR ((pregnan* OR deliver* OR obstetr* OR childbirth OR labour OR labor) ADJ3 outcome*) OR stillbirth OR stillborn OR still-birth OR still-born OR Apgar OR harm* OR toxic* OR intoxic* OR hemodynamic* OR haemodynamic* OR complication* OR (prematur* ADJ3 (birth)) OR prematurity).ab,ti.) AND (Infant, Newborn/ OR Infant, Low Birth Weight/ OR Stillbirth/ OR Apgar Score/ OR exp Birth Weight/ OR (newborn* OR new-born* OR neonat* OR postnatal* OR birth-weight* OR birthweight* OR (small ADJ2 (date OR gestation*)) OR stillbirth OR stillborn OR still-birth OR still-born OR Apgar).ab,ti.) NOT (exp animals/ NOT humans/) AND english.la.

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TS((((beta* OR β OR β 1 OR β 2 OR β 3) NEAR/2 (block* OR antagonist*)) OR adaprolol* OR afurolool* OR alprenolol* OR befunolol* OR bfe-55* OR bopindolol* OR bornaprolol* OR bromoacetylalprenololmenthane* OR bucindolol* OR bucumolol* OR bufetolol* OR bufuralol* OR bunitrolol* OR bunolol* OR bupranolol* OR butofilolol* OR carazolol* OR carpindolol* OR carteolol* OR carvedilol* OR cloranolol* OR deacetylmepipranolol* OR dexpropranolol* OR diacetolol* OR dichlorisoprenaline* OR dihydroalprenolol* OR dilevalol* OR diprafenone* OR ersentilide* OR exaprolol* OR falintolol* OR flestolol* OR hydroxybenzylpindolol* OR indenolol* OR iodopindolol* OR iprocrolol* OR isamoltane* OR isoxaprolol* OR labetalol* OR levobunolol* OR levomoprolol* OR mepindolol* OR mercuderamide* OR metipranolol* OR moprolol* OR nadolol* OR nifenalol* OR oberadilol* OR oxprenolol* OR pafenolol* OR pamatolol* OR penbutolol* OR pindolol* OR primidolol* OR prizidilol* OR procinolol* OR pronetalol* OR propranolol* OR proxodolol* OR ridazolol* OR soquinolol* OR sotalol* OR spirendolol* OR tazolol* OR tertatolol* OR tienoxolol* OR tilisolol* OR timolol* OR tolamolol* OR toliprolol* OR trasitensin* OR trepress* OR tribendilol* OR viskaldix* OR xibenolol* OR zoleprodolol* OR acebutolol* OR alpha-hydroxymetoprolol* OR atenolol* OR bendacalol* OR betaxolol* OR bevantolol* OR bisoprolol* OR celiprolol* OR cetamolol* OR cyanoiodopindolol* OR cyanopindolol* OR dramedilol* OR epanolol* OR esmolol* OR flusoxolol* OR landiolol* OR metoprolol* OR nebivolol* OR practolol* OR ritodrine* OR salcardolol* OR sandoz-204545* OR talinolol* OR vortioxetine* OR bendacalol* OR butoxamine* OR cicloprolol* OR arotinolol*)) AND ((pregnan* OR prenatal* OR (breast NEAR/1 (feed* OR fed OR milk)) OR human-milk OR lactat* OR intra-uterin* OR intrauterin* OR ((fetus* OR foetus* OR fetal* OR foetal*) NEAR/2 expos*) OR mother OR maternal OR placenta* OR perinatal* OR peri-natal*)) AND ((adverse* OR bradycard* OR effect* OR ((intrauterin* OR intra-uterin*) NEAR/2 growth) OR birth-weight* OR birthweight* OR (small NEAR/2 (date OR gestation*)) OR hypoglycemi* OR hypoglycaemia OR ((pregnan* OR deliver* OR obstetr* OR childbirth OR labour OR labor) NEAR/2 outcome*) OR stillbirth OR stillborn OR still-birth OR still-born OR Apgar OR harm* OR toxic* OR intoxic* OR hemodynamic* OR haemodynamic* OR complication* OR (prematu* NEAR/2 (birth)) OR prematurity)) AND ((newborn* OR new-born* OR neonat* OR postnatal* OR birth-weight* OR birthweight* OR (small NEAR/2 (date OR gestation*)) OR stillbirth OR stillborn OR still-birth OR still-born OR Apgar))) AND DT=(article) AND LA=(english)

Cochrane CENTRAL register of trials

(((((beta* OR β OR β 1 OR β 2 OR β 3) NEAR/3 (block* OR antagonist*)) OR adaprolol* OR afurolol* OR alprenolol* OR befunolol* OR bfe NEXT 55* OR bopindolol* OR bornaprolol* OR bromoacetylalprenololmenthane* OR bucindolol* OR bucumolol* OR bufetolol* OR bufuralol* OR bunitrolol* OR bunolol* OR bupranolol* OR butofilolol* OR carazolol* OR carpindolol* OR carteolol* OR carvedilol* OR cloranolol* OR deacetylmepipranolol* OR dexpropranolol* OR diacetolol* OR dichlorisoprenaline* OR dihydroalprenolol* OR dilevalol* OR diprafenone* OR ersentilide* OR exaprolol* OR falintolol* OR flestolol* OR hydroxybenzylpindolol* OR indenolol* OR iodopindolol* OR iprocrolol* OR isamoltane* OR isoxaprolol* OR labetalol* OR levobunolol* OR levomoprolol* OR mepindolol* OR mercuderamide* OR metipranolol* OR moprolol* OR nadolol* OR nifenalol* OR oberadilol* OR oxprenolol* OR pafenolol* OR pamatolol* OR penbutolol* OR pindolol* OR primidolol* OR prizidilol* OR procinolol* OR pronetalol* OR propranolol* OR proxodolol* OR ridazolol* OR soquinolol* OR sotalol* OR spirendolol* OR tazolol* OR tertatolol* OR tienoxolol* OR tilisolol* OR timolol* OR tolamolol* OR toliprolol* OR trasitensin* OR trepress* OR tribendilol* OR viskaldix* OR xibenolol* OR zoleprodolol* OR acebutolol* OR alpha NEXT hydroxymetoprolol* OR atenolol* OR bendacalol* OR betaxolol* OR bevantolol* OR bisoprolol* OR celiprolol* OR cetamolol* OR cyanoiodopindolol* OR cyanopindolol* OR dramedilol* OR epanolol* OR esmolol* OR flusoxolol* OR landiolol* OR metoprolol* OR nebivolol* OR practolol* OR ritodrine* OR salcardolol* OR sandoz NEXT 204545* OR talinolol* OR vortioxetine* OR bendacalol* OR butoxamine* OR cicloprolol* OR arotinolol*):Ab,ti) AND ((pregnan* OR prenatal* OR (breast NEXT/1 (feed* OR fed OR milk)) OR human NEXT milk OR lactat* OR intra NEXT uterin* OR intrauterin* OR ((fetus* OR foetus* OR fetal* OR foetal*) NEAR/3 expos*) OR mother OR maternal OR placenta* OR perinatal* OR peri NEXT natal*):Ab,ti) AND ((adverse* OR bradycard* OR effect* OR ((intrauterin* OR intra NEXT uterin*) NEAR/3 growth) OR birth NEXT weight* OR birthweight* OR (small NEXT/2 (date OR gestation*)) OR hypoglycemi* OR hypoglycaemia OR ((pregnan* OR deliver* OR obstetr* OR childbirth OR labour OR labor) NEAR/3 outcome*) OR stillbirth OR stillborn OR still NEXT birth OR still NEXT born OR Apgar OR harm* OR toxic* OR intoxic* OR hemodynamic* OR haemodynamic* OR complication* OR (prematur* NEAR/3 (birth)) OR prematurity):ab,ti) AND ((newborn* OR new NEXT born* OR neonat* OR postnatal* OR birth NEXT weight* OR birthweight* OR (small NEXT/2 (date OR gestation*)) OR stillbirth OR stillborn OR still NEXT birth OR still NEXT born OR Apgar):ab,ti)