Online Supplement (MS#: AA-D-16-01864R3, 06/02/2017)

**Dexmedetomidine-associated hyperthermia: A series of nine cases and a review of the literature**

**Online supplement, Table 1: Summary of drugs administered prior to or during dexmedetomidine treatment in all patients included in the case series**

Supplemental Table 1. Comprehensive list of drugs administered during surgery and ICU prior to or during dexmedetomidine treatment in the case series patients

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| **Patient #** | **Drugs** |
| 1 | **Anesthetics / Hypnotics / Sedatives**: MID, PRO, SEV. **Antipsychotics:** PIP. **Analgesics:** FEN, PAR, REM, SUF. **Inotropes & Vasoactives:** EPI, NO, MIL, NOR. **Antiarrhythmics:** LID. **Blood & Coagulation products:** F XIII, FFP, FIB, HEP, PCC, PRM, RBC, TC, TXA. **Fluids:** GEL, HA, NAB, RA. **Antibiotics:** AMB, TAP, VAN. **Glucocorticoids:** MEP. **Hormones:** INS. **Miscellaneous:** ALL, PHY. **Muscle relaxants:** ROC. |
| 2 | **Anesthetics / Hypnotics / Sedatives**: CLO, MID, PRO, SEV. **Analgesics**: FEN, MOR, MTM, PAR, REM. **Antacids / Laxatives**: DXP, MCG, LAC, PAN. **Antibiotics**: FLU, TAP, RIF. **Antiarrhythmics**: LID. **Blood & coagulation products**: DES, F VIIa, FVIII / VFW, F XIII, FIB, HA, HEP, PCC, PRM, RBC, TXA. **Bronchiolytics**: BUD, IPR, SAL. **Diuretics**: FSM. **Fluids & Electrolytes**: GEL, NAB, RA. **Glucocorticoids**: HYC. **Hormones**: INS, LEV. **Inotropes** **&** **Vasoactives**: EPH, EPI, NOR. **Miscellaneous**: ACY. **Muscle** **relaxants**: ROC. |
| 3 | **Anesthetics / Hypnotics / Sedatives**: CHL, DEX, MID, PRO, SEV. **Analgesics**: FEN, MOR, MTM, REM, SUF. **Antacids** **/** **Laxatives**: ESO, DXP, MCG. **Antiarrhythmics**: ADE, AMI. **Antibiotics**: AMO, CEF. **Blood** & **coagulation products**: ASS, HA, HEP, PRM, RBC. **Bronchiolytics**: IPR, SAL. **Diuretics**: FSM, MTL. **Fluids & Electrolytes**: GEL, NAB, RA. **Glucocorticoids**: HYC. **Hormones**: INS. **Inotropes** **&** **Vasoactives**: DOB, EPH, EPI, NOR. **Miscellaneous**: MEB, PHY. **Muscle** **relaxants**: ROC. |
| 4 | **Anesthetics / Hypnotics / Sedatives**: CLO, PRO, SEV. **Analgesics**: FEN, MOR, MTM, PAR, REM. **Antacids / Laxatives**: MCG, PAN. **Antibiotics**: RIF, VAN. **Antipsychotics**: OLA, HAL, PIP. **Bronchiolytics**: BUD, FOR, IPR, SAL. **Fluids & Electrolytes:** GEL, RA. **Hormones**: INS, LEV. **Inotropes & Vasoactives**: EPH, MDD, NOR**. Miscellaneous**: ALL, PRE, TAM. **Muscle relaxants**: ROC. |
| 5 | **Anesthetics / Hypnotics / Sedatives**: PRO, SEV. **Analgesics**: FEN, MOR, REM**. Antibiotics**: CEF. **Blood & Coagulation products**: ASS, F XIII, FIB, HA, HEP, PRM, PCC, RBC, TC. **Bronchiolytics**: IPR, SAL. **Fluids & Electrolytes**: GEL, RA. **Glucocorticoids**: HYC. **Hormones**: INS. **Inotropes & Vasoactives**: EPH, NOR, PHE. **Muscle** **relaxants**: ROC. |
| 6 | **Anesthetics / Hypnotics / Sedatives**: MID, PRO, SEV. **Analgesics**: FEN, MOR, REM, SUF. **Antacids / Laxatives**: MCG. **Antiarrhythmics**: LID. **Antibiotics**: CEF, GEN, RIF, VAN. **Blood & coagulation products**: ASS, DES, HA, HEP, PRM, PCC. **Bronchiolytics**: IPR, SAL. **Fluids & Electrolytes**: GEL, RA. **Glucocorticoids**: HYC. **Hormones**: INS. **Inotropes & Vasoactives**: EPI, ILO, MIL, NOR, PHE. **Muscle relaxants**: ROC. |
| 7 | **Anesthetics / Hypnotics / Sedatives**: CLO, PRO, SEV. **Analgesics**: FEN, MOR, MTM, PAR, REM. **Antacids / Laxatives**: MCG. **Antibiotics**: CEF. **Antilipemics**: ATO. **Blood & Coagulation products**: DES, FIB, HEP, PCC, PRM, RBC, TC, TXA. **Bronchiolytics**: IPR, SAL. **Fluids & Electrolytes**: GEL, RA. **Hormones**: INS. **Inotropes & Vasoactives**: DOB, EPI, NOR, URA. **Muscle relaxants**: ROC. |
| 8 | **Anesthetics / Hypnotics / Sedatives**: CLO, MID, PRO, SEV. **Analgesics**: FEN, MOR, MTM, PAR, REM**. Antiarrhythmics**: LID. **Antibiotics**: CEF. **Antacids / Laxatives**: MCG, PAN. **Blood & Coagulation products**: HEP, PRM, TXA. **Bronchiolytics**: IPR, SAL. **Fluids & Electrolytes**: GEL, RA. **Hormones**: INS. **Inotropes & Vasoactives**: EPH, NOR. **Miscellaneous**: DMDS. **Muscle relaxants**: ROC. |
| 9 | **Acetylcholinesterase inhibitors**: NEO. **Anesthetics / Hypnotics / Sedatives**: MID, PRO, SEV. **Analgesics**: FEN, REM, SUF. **Antacids / Laxatives**: DXP. **Antiarrhythmics:** AMI. **Antibiotics**: CEF, TAP, VAN. **Blood & Coagulation products**: DES, FIB, HA, HEP, PCC, PRM, RBC, TCs, TXA. **Diuretics**: FSM. **Fluids & Electrolytes**: GEL, RA. **Glucocorticoids**: HYC. **Hormones**: INS. **Inotropes & Vasoactives**: EPI, GLY, MIL, NOR, URA, VAS. **Miscellaneous**: DMDS. **Muscle relaxants**: ROC. |

**Patient #** = patient number; **ICU =** intensive care unit; **Acetylcholinesterase inhibitors**: NEO = neostigmine; **Anesthetics / Hypnotics / Sedatives**: CHL = chloral hydrate, CLO = clonidine, DEX = dexmedetomidine, MID = midazolam, PRO = propofol, SEV = sevoflurane; **Analgesics**: FEN = fentanyl, MOR = morphine, MTM = metamizole, PAR = paracetamol, REM = remifentanil, SUF = sufentanil; **Antacids / Laxatives**: DXP = dexpanthenol, ESO = esomeprazole, LAC = lactulose, MCG = macrogol, PAN = pantoprazole; **Antiarrhythmics:** AMI = amiodarone, ADE = adenosine, LID = lidocaine 1%; **Antibiotics**: AMB = amphotericin B (topical), AMO = amoxicillin / clavulanic acid, CEF = cefuroxime, FLU = flucloxacillin, GEN = gentamycin, RIF = rifampicine, TAP = tazobactam / piperacillin, VAN = vancomycin; **Antilipemics**: ATO = atorvastatin; **Antipsychotics**: HAL = haloperidol, OLA = olanzapine, PIP = pipamperone; **Blood & Coagulation products**: ASS = acetylsalicylic acid, DES = desmopressin acetate, HEP = heparin, F = factor, FIB = fibrinogen, FFP = fresh frozen plasma, PCC = prothrombin complex concentrate (factors II, VII, IX, X, Protein C & S), PRM = protamine, RBC = packed red blood cells, TC = thrombocyte concentrate, TXA = tranexamic acid, VWF = von Willebrand factor; **Bronchiolytics**: BUD = budenoside, FOR = formoterole, IPR = ipratropium, SAL = salbutamol. **Diuretics**: FSM = furosemide, MTL = metolazone; **Fluids & Electrolytes**: GEL = gelatine 4%, HA = human albumin 5%, NAB = sodium bicarbonate 8.4%, RA = ringer acetate; **Glucocorticoids**: HYC = hydrocortisone, MEP = methylprednisolone; **Hormones**: INS = insuline LEV = levothyroxine; **Inotropes & Vasoactives**: DOB = dobutamine, EPH = ephedrine, EPI = epinephrine, GLY = glycerol trinitrate, ILO = iloprost (inhalational), MDD = midodrine, MIL = milrinone, NO = nitric oxide (inhalational), NOR = norepinephrine, PHE = phenylephrine, URA = urapidil, VAS = vasopressin; **Miscellaneous**: ACY = acetylcysteine, ALL = allopurinol, DMDS = diatrizoate meglumine and diatrizoate sodium (oral), MEB = methylene blue, PHY = phytomenadion, PRE: pregabalin, TAM = tamsulosin; **Muscle relaxants**: ROC = rocuronium.