

Supplementary Material S2

R scripts used in the data cleaning phase

- 1) To detect the following empty variables: `EMPTY=which(is.na(DATOS[i]))`
 - a. Date.
 - b. Species: horse, donkey, mule.
 - c. Sex: male, female.
 - d. Weight: kg.
 - e. BCS: normal, fat, thin.
 - f. ASA: 1, 2, 3, 4, 5.
 - g. Scheduled: scheduled, non scheduled, urgent.
 - h. Type: standing, INH, TIVA, PIVA.
 - i. Timetable: normal, out of hours.
 - j. Reason: description of the procedure.
 - k. Anaesthesia duration.
 - l. Induction method.
 - m. Recovery method.
 - n. Surgery duration (except diagnostic procedures).
 - o. Recovery duration (except standing sedations and when the patients die or are euthanised during premedication, induction, maintenance or recovery in the recovery box).
 - p. Recovery scores (except standing sedations and when the patients die or are euthanised during premedication, induction, maintenance or recovery in the recovery box).
- 2) To detect the following inconsistencies as wrong codified cases:
 - a. Type of anaesthesia
 - When coded as INH but with a CRI in the protocol
`DATOS$CRI=="YES" & DATOS$TYPE=="INH" & DATOS$TRIPLE.DRIP=="NO"`
 - When coded as PIVA and there is not a CRI in the protocol
`DATOS$CRI=="NO" & DATOS$TYPE=="PIVA"`
 - When coded as TIVA but there are not parenteral agents for maintenance

`DATOS$TIVA=="NO" & DATOS$TYPE=="TIVA"`
 - When coded as standing sedations but general anaesthetics were used
`DATOS$GA=="YES" & DATOS$TYPE=="STANDING"`
 - b. Protocol
 - When coded as TIVA but there is an inhalant agent during maintenance
`DATOS$INH_MAIN=="YES" & DATOS$TYPE=="TIVA"`
 - When premedication was not coded
`DATOS$PREM_DRUGS=="NONE"`
 - When induction in a general anaesthetic was not coded
`DATOS$TYPE != "STANDING" & DATOS$IND_DRUGS=="NONE"`
 - When an inhalant agent was not coded in INH or PIVA
`DATOS$TYPE != "STANDING" & DATOS$TYPE != "TIVA" & DATOS$INH_MAIN=="NO"`

-When cases were coded as induction with inhalant agents

DATOS\$ISOIND=="YES" | DATOS\$SEVOIND=="YES" | DATOS\$DESFIND=="YES"

c. Monitoring

-When coded as arterial/invasive monitoring but arterial line was not ticked

DATOS\$ARTERIAL!="SUCCESS" & DATOS\$ARTERIAL.PRESSURE=="YES"

-When invasive blood pressure was ticked in standing sedations

DATOS\$ARTERIAL.PRESSURE=="YES" & DATOS\$GA=="NO"

-When volatile agents were measured in TIVA

DATOS\$INHALATORY.GASES=="YES" & DATOS\$TIVA=="YES"

d. Standing surgeries

-When the box ETCO₂ was ticked in standing sedations

DATOS\$ETCO2=="YES" & DATOS\$GA=="NO"

-When the box FiO₂ was ticked in standing sedations

DATOS\$FIO2=="YES" & DATOS\$GA=="NO"

-When the box Vol. ag. was ticked in standing sedations

DATOS\$INHALATORY.GASES=="YES" & DATOS\$GA=="NO"

Abbreviations: ASA, American Society of Anaesthesiologists; BCS, body condition score; CRI, constant rate infusion; ETCO₂, end-tidal carbon dioxide; FiO₂, fraction of inspired oxygen; GA, general anaesthesia; INH, inhalation anaesthesia only; PIVA, partial intravenous anaesthesia; PREM, premedication; TIVA, total intravenous anaesthesia.