

Supplementary Table 2 Additional detailed features of sedation and GA in studies

Study	General anesthetic	Airway management during GA	Type of sedation	Drug of sedation
Mikus, 2021(20)	CIIA	Endotracheal intubation	DS	Propofol and ketamine
Zaouter, 2018(21)	TIVA	Endotracheal intubation	Unspecified	Propofol
Weyland, 2021(22)	Unspecified	Unspecified	CS	Unspecified
Toppen, 2017(23)	Unspecified	Unspecified	CS	Unspecified
Thiele, 2020(8)	Unspecified	Endotracheal intubation	CS	Propofol and dexmedetomidine
Theron, 2014(24)	CIIA	Endotracheal intubation / Laryngeal mask	Unspecified	Unspecified
Téllez- Alarcón, 2022(25)	CIIA	Unspecified	CS	Propofol, dexmedetomidine and remifentanyl
Stragier, 2019(26)	TIVA	Endotracheal intubation	MAC	Propofol and midazolam
Shan, 2018(27)	TIVA	Endotracheal intubation	CS	Dexmedetomidine and midazolam
Schönenb erger, 2016(28)	CIIA	Endotracheal intubation	CS	Propofol, remifentanyl, and midazolam
Palermo, 2016(29)	CIIA	Endotracheal intubation	MAC	Dexmedetomidine and fentanyl

Sammour, 2021(7)	CIIA	Unspecified	MAC	Propofol, fentanyl dexmedetomidine and midazolam
Renner, 2019(30)	CIIA	Endotracheal intubation / Laryngeal mask	CS	Propofol and remifentanyl
Ren, 2020(31)	TIVA	Endotracheal intubation	CS	Propofol, dexmedetomidine, midazolam and fentanyl
Rassaf, 2014(32)	TIVA	Endotracheal intubation	DS	Propofol and midazolam
Powers, 2019(33)	Unspecified	Unspecified	CS	Unspecified
Piayda, 2021(34)	Unspecified	Unspecified	CS	Unspecified
Patzelt, 2017(35)	TIVA	Endotracheal intubation	DS	Propofol and midazolam
Pani, 2017(36)	CIIA	Endotracheal intubation	MAC	Midazolam, propofol, fentanyl, dexmedetomidine and ketamine
Musuku, 2021(37)	CIIA	Laryngeal mask	MAC	Propofol, midazolam and ketamine
Mosleh, 2019(38)	Unspecified	Endotracheal intubation	CS	Unspecified
Miles, 2016(39)	CIIA	Endotracheal intubation	CS	remifentanyl
McDoUns pecifiedld , 2015(40)	Unspecified	Unspecified	CS	Unspecified
Mayr, 2016(41)	TIVA	Endotracheal intubation	Unspecified	Midazolam, propofol and remifentanyl

Löwhage n, 2017(42)	CIIA	Endotracheal intubation	CS	Propofol and remifentanyl
Kleinecke , 2021(43)	TIVA	Endotracheal intubation	CS	propofol
KislitsiUn specified, 2019(44)	Unspecified	Endotracheal intubation	MS	Unspecified
Kiramijya n, 2016(45)	Unspecified	Endotracheal intubation	MAC	Propofol, dexmedetomidine, ketamine and midazolam
Jumaa, 2010(46)	Unspecified	Unspecified	CS	Unspecified
John, 2014(47)	Unspecified	Unspecified	MAC	Propofol, dexmedetomidine, midazolam and fentanyl
Jadhav, 2017(48)	CIIA	Endotracheal intubation	MAC	Unspecified
Hyman, 2017(49)	Unspecified	Unspecified	CS	Unspecified
Husser, 2018(50)	Unspecified	Unspecified	CS	Unspecified
Herrmann , 2021(51)	Unspecified	Unspecified	CS	Unspecified
Haurand, 2022(52)	CIIA	Endotracheal intubation	DS	Propofol and midazolam
Harjai, 2020(53)	Unspecified	Endotracheal intubation	CS	Midazolam, fentanyl and dexmedetomidine

GriesseU				
nspecified uer, 2017(54)	CIIA	Endotracheal intubation	CS	Fentanyl and midazolam
Feil, 2021(55)	Unspecified	Unspecified	CS	Unspecified
Du, 2020(56)	TIVA	Endotracheal intubation/ Laryngeal mask	CS	propofol
D'Errigo, 2016(57)	Unspecified	Unspecified	MAC	Unspecified
Cappellari , 2020(58)	Unspecified	Unspecified	CS	Unspecified
Ben-Dor, 2012(59)	Unspecified	Endotracheal intubation	MAC	Propofol, dexmedetomidine ketamine and fentanyl
Althoff, 2021(60)	Unspecified	Unspecified	MAC	Unspecified
Yamamoto, 2013(61)	TIVA	Unspecified	CS	Propofol and remifentanyl
HoefUnsp ecifiedgel , 2023(62)	Unspecified	Unspecified	MAC	Unspecified
Reda, 2012(63)	CIIA	Unspecified	MS	Midazolam
Neumann, 2020(64)	Unspecified	Unspecified	CS	Unspecified

Skutecki, 2022(65)	Unspecified	Unspecified	CS	Unspecified
Liang, 2021(66)	CIIA	Unspecified	CS	Propofol, dexmedetomidine and midazolam and fentanyl
Valente, 2021(67)	Unspecified	Unspecified	CS	Unspecified
Kanda, 2022(68)	CIIA	Endotracheal intubation	CS	Dexmedetomidine and fentanyl
Holmes, 2022(69)	Unspecified	Unspecified	MAC	Unspecified
Liang, 2022(70)	TIVA	Endotracheal intubation	CS	Propofol and remifentanyl
Maurice, 2022(71)	TIVA	Endotracheal intubation	Unspecified	Propofol and remifentanyl
Sanders, 2021(72)	CIIA	Endotracheal intubation	DS	Propofol, dexmedetomidine and remifentanyl
MoUnspe cifiedco, 2022(73)	CIIA	Endotracheal intubation	MAC	Midazolam and remifentanyl
Goren, 2015(74)	CIIA	Endotracheal intubation	Unspecified	Propofol, etomidate and midazolam
Aslan, 2021(75)	CIIA	Endotracheal intubation	CS	Propofol, midazolam and fentanyl

TIVA: Total intravenous anesthesia; CIIA: Combined intravenous-inhalation anesthesia; CS: Conscious sedation; MS: Moderate sedation; DS: Deep sedation; MAC: Monitored anesthesia care. Unspecified refers to items not described in detail in the study.