

Supplementary Materials

Table 1. Possible maneuvers.

Maneuvers	Outcome	Directions
Drug administration		
Oral drug administration	Possible but not recommended	For a correct pharmacological delivery and to avoid any episodes of vomiting, the administration of drugs <i>per os</i> is not recommended
Intramuscular (IM) drug administration	Possible but not recommended	Given the possibility of IV administrations, and to reduce the risk of puncture of the operator, it is advisable to avoid handling needles inside the isolator unless strictly necessary and for emergency procedures ^{16,18}
Intravenous (IV) drug administration	Possible	Ensure the correct pre-transfer preparation of the pre-transfer infusion lines ^{10,11,17,18}
Airway management		
Oropharyngeal airway insertion	Possible	Pay attention to any stimulation of the gag reflex
Ventilation with AMBU bag	Possible	Pay attention to the adherence of the mask to the patient's face ⁷
Ventilation with Mapleson C breathing unit	Possible	The use of AMBU bag is preferred as less complicated to setup and use
Supraglottic airway device placement (i-gel, Laryngeal Mask, Combitube)	Possible	The material in question must already be inside the insulator in the internal kit

Oxygen administration with masks	Possible	The use of these devices requires the presence of a source of oxygen ¹⁶
Endotracheal tube exchange	Not possible	Given tube exchange guide dimensions, this practice is not possible ⁷
Direct or video intubation	Not possible	There is no possibility of obtaining a clear view of the vocal cords or to properly get aligned to the patient's airway, furthermore, this maneuver needs to be carried out before the use of BCI ¹⁷
Pleural drainage	Possible but not recommended	It is possible to perform drainage of the hypertensive pneumothorax, subject to clinical recognition, the procedure is not recommended for the use of needles inside the isolator ^{16,18}
Tracheotomy	Possible but not recommended	Tracheotomy can be performed but is not recommended to avoid the risk of injury to the operator ^{16,18}
Management of the cardiovascular system		
Infusion of drugs from outside the BCI	Possible	Use the appropriate pass-through area of the isolator to ensure correct passage of the infusion lines ¹⁷
CPR	Not possible	It is not possible to perform when the isolator is closed due to the impossibility of correctly positioning arms and hands on the patient's chest. Evaluate the use of an external massager (autopulse) arranged before the departure.
Pacing	Possible	Place the pacing/defibrillation pads beforehand
Defibrillation	Possible	Place the defibrillation pads beforehand. Remember to close the oxygen source and wait 2 seconds before delivering the shock to ensure the correct outflow of all the oxygen.

Peripheral vein cannulation	Possible but not recommended	It is advisable to avoid handling needles inside the isolator and prepare IV access before departure ^{10,11,16,17}
Central venous catheter insertion	Possible but not recommended	Impossibility to ensure sterility of the field. It is advisable to avoid handling needles inside the isolator and prepare central access before departure. ^{10,11,16,17}
Monitoring		
Patient monitoring (ECG, NIBP, SpO ₂ , EtCO ₂ , Temperature)	Possible	It is advisable to set up the monitoring before departure
Standard auscultation	Not possible	When the isolator is closed is not possible to use the classic stethoscope. Consider electrical auscultation devices
Ancillary assistance		
Change urine drainage bag	Possible	Put the new bags into the isolator beforehand and it is necessary to leave the dirty bags inside the isolator ^{6,10,17}
Change flexy-seal drainage bag		
Change of drainage thoracic bag		
Urethral catheterization	Possible but not recommended	Requires the vehicle to be stationary in order to release the isolator's ventral belt which does not allow catheterization while fasten
Nasogastric tube positioning and management	Not possible	It is not possible to position the patient's head correctly; at the same time, there is a high risk of stimulating the gag reflex

AMBU, Artificial Manual Breathing Unit; BCI, Biocontainment Isolators; CPR, Cardiopulmonary Resuscitation; ECG, Electrocardiogram; NIBP, Non-Invasive Blood Pressure; SpO₂, Saturation of Peripheral Oxygen; EtCO₂, End Tidal CO₂