**PSA CHECKLIST**

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| --- | --- |
| Date: | PATIENT-ID |
| PSA-physician: |
| Procedure physician: |
| Resuscitation-competent personnel: |

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| **PROCEDURE** |
| * Cardioversion
 | * Reduction:
 | * Other:
 |

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| **PLACE** |
| * Resus
 | * Ortho-room
 | * Patient room
 | * Other:
 |

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| **PATIENT** |
| Year: | Weight: | Height: | ASA-Class: | DMV-Score: | Potassium: |
| Food / non-clear liquids last ingested: | Allergy to PSA-meds: |

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| **PREPARE** |
| * Pulse oximeter
 | * O2 10 L/min via reservoir mask
 | * 3-lead EKG
 |
| * Ringer's Acetate via 3-way stop cock, good flow
 | * BP-cuff on other side
 |
| * Draw up medication(s)
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| **CHECK FUNCTION / AVAILABILITY** |
| * Suction
 | * OPA
 | * NPA
 |
| * Bag-valve-mask
 | * LMA
 | * Laryngoscope
 |
| * Adrenaline 0.1 mg/ml
 | * Atropine 0.5 mg/ml
 | * NaCl 0.9% 10 ml
 |
| * Gurney: raise head, Trendelenburg, lower side rails
 | * Defibrillator/pacing
 |

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| **TIME-OUT: Team-plan for potential complications** |
| * Airway obstruction
 | * Laryngospasm
 | * Apnea
 |
| * Vomiting
 | * Hypotension
 | * Bradycardia
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| --- | --- |
| **VITAL SIGNS** | **ADVERSE EVENTS** |
| Start of sedation= 0 = ..... : ..... | Vomiting | Yes | No |
| Time (min) | 0 | 5 | 10 | 15 |
| Resp Rate |  |  |  |  | Apnea > 20 sec | Yes | No |
| SpO2% |  |  |  |  | SpO2 < 90% | Yes | No |
| Systolic BP |  |  |  |  | SBT < 90 mm Hg or fall > 20% | Yes | No |
| Heart Rate |  |  |  |  | Heart Rate < 50 bpm | Yes | No |
| End time = ..... : .....  | Comments: |

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| **ADMINISTERED MEDICATIONS (mg) AND REPLACEMENT** |
| Propofol: | Ketanest: | Midazolam: | : | : |
| * **Plan for monitoring**
 | * **PSA-physician replaces equipment / medications**
 |

**CONTRAINDICATIONS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ketamine** | **Nitrous Oxide** | **Midazolam** | **Penthrox** |
| * Psychosis
* < 3 months
 | * Nausea
* Pneumothorax
* Bowel obstruction
* Pregnancy
 | * Hypersensitivity
* Severe resp insufficiency
* Severe hepatic insufficiency
* Myasthenia gravis
* Acute narrow-angle glaucoma
 | * Renal failure
* Malignant hyperthermia
* < 5 years
 |

**GENERIC DOSES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fentanyl **IN** | Midazolam **PO** | Oxycodon **PO** | Propofol **IV** | Ketanest **IV** | Ketanest **IM** |
| 2 mcg/kg | 0.3 mg/kgMax 15 mg | 0.1 mg/kgMax 5 mg | 2 mg/kg < 2 yr0.5 - 1 mg/kg | 0.5-1 mg/kgover 1-2 min | 2 mg/kg |

**PEDIATRIC DOSES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Age | kg | Fentanyl50 μg/ml**IN** | Midazolam1 mg/ml**PO** | Propofol10 mg/ml**IV** | Ketanest5 mg/ml**IV** | Ondansetron2 mg/ml**IV** | Ketanest25 mg/ml**IM** |
| 2 mo | 5 kg | 0.2 ml | 1 ml | 1 ml | 1 ml | 0.3 ml | 0.4 ml |
| 6 mo | 7 kg | 0.3 ml | 2 ml | 1.5 ml | 1 ml | 0.5 ml | 0.6 ml |
| 1 yr | 10 kg | 0.4 ml | 3 ml | 2 ml | 2 ml | 0.7 ml | 0.8 ml |
| 3 yr | 15 kg | 0.6 ml | 5 ml | 2 ml | 3 ml | 1 ml | 1.2 ml |
| 5 yr | 20 kg | 0.8 ml | 6 ml | 2 ml | 4 ml | 1.5 ml | 1.6 ml |
| 6 yr | 25 kg | 1 ml | 8 ml | 2.5 ml | 5 ml | 2 ml | 2 ml |
| 8 yr | 30 kg | 1.2 ml | 9 ml | 3 ml | 6 ml | 2 ml | 2.4 ml |

**REVERSAL**

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| --- | --- | --- | --- |
| **Agent** | **Concentration** | **Adult** | **Child** |
| **Naloxone** | Naloxone 0.4 mg/ml | 0.5 - 1 ml/nostril | 0.5 - 1 ml/nostril |
| Naloxone 0.04 mg/ml | 2 ml IV or IM | 0.5 ml/10 kg IV or IM |
| **Flumazenil** | Flumazenil 0.1 mg/ml | 2.5 µg/kg2 ml q2 min | 0.01 mg/kg1 ml/10 kg (max dose 2 ml) |

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| **ASA PHYSICAL STATUS CLASSIFICATION**

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| --- | --- |
| ASA 1 | Frisk |
| ASA 2 | Mild systemsjukdom utan funktionsbegränsning (e.g. hypertoni) |
| ASA 3 | Allvarlig systemsjukdom med funktionsbegränsning (e.g. KOL) |
| ASA 4 | Allvarlig livshotande systemsjukdom (e.g. uttalad hjärtsvikt) |
| ASA 5 | Moribund patient |

 | **DIFFICULT MASK VENTILATION SCORE**

|  |  |
| --- | --- |
| Age > 55 years | 1 point |
| BMI > 26 kg/m2 | 1 point |
| Beard | 1 point |
| Edentulous  | 1 point |
| Snoring | 1 point |

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| **AIRWAY OBSTRUCTION**Two-person ventilation with bag-valve-mask:1. Jaw-thrust2. OPA or NPA3. LMA | **LARYNGOSPASM**1-Jaw-thrust & neck extension2-Bag-valve-mask two person ventilation3-Pressure at Larson’s notch (under earlobe, press hard cranially and anteriorly)4-Propofol 1-2 mg/kg IV5-Succinylcholine 0.5 mg/kg IV or 4 mg/kg IM6-Atropine 0.02 mg/kg IV/IM if bradycardia |
| **BRADYCARDIA / ASYTOLE**1. Asystole: external pacing (100 mA, 60/min)2. Bradycardia + hypotension: Adrenalin 20 µg IV3. Mild bradycardia: Atropine 0,5 mg/ml 2 ml IV | **HYPOTENSION**1. Ringer's acetate2. Adrenalin 20 µg IV as push-dose pressor:* 10 ml syringe
* Adrenalin 0.1 mg/ml 1 ml
* NaCl 9 ml
* Give 2 ml (20 µg) IV
 |
| **ANAPHYLAXIS**1. Adrenalin 1 mg/ml 0,5 ml IM; repeat PRN2. Ringer's acetate3. Adrenalin 20 µg IV as push-dose pressor |