Appendix WEB Supplement. Mayo Clinic Allergy Division protocol for assessment of medications/substances.

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| --- | --- | --- | --- | --- | --- |
| **Medication** | **Prick**  **Neat** | **Intradermal**  1:1,000,000 mg/mL\* | **Intradermal**  1:100,000 mg/mL\* | **Intradermal**  1:10,000 mg/ml | **Intradermal**  1:1,000 mg/mL |
| **Analgesics** |  |  |  |  |  |
| *Fentanyl,* μg/mL | 50 | 0.00001 | 0.0001 | 0.001 | 0.01 |
| *Meperidine,* mg/mL | 50 | 0.00001 | 0.0001 | 0.001 | 0.01 |
| *Morphine,* mg/mL | 10 | 0.00001 | 0.0001 | 0.001 | 0.01 |
| Oxymorphone, mg/mL | 1 | 0.000001 | 0.00001 | 0.0001 | 0.001 |
| **Anticholinergic** |  |  |  |  |  |
| *Atropine,* mg/mL | 0.4 | 0.0000004 | 0.000004 | 0.00004 | 0.0004 |
| **Anticholinesterase** |  |  |  |  |  |
| *Neostigmine* | 1 | 0.000001 | 0.00001 | 0.0001 | 0.001 |
| **Anesthetic induction agents** | |  |  |  |  |
| *Methohexital,* mg/mL | 10 | 0.00001 | 0.001 | 0.001 | 0.01 |
| *Pentothal,* mg/mL | 25 | 0.000025 | 0.00025 | 0.0025 | 0.025 |
| *Diazepam,* mg/mL | 5 | 0.000005 | 0.00005 | 0.0005 | 0.005 |
| *Midazolam,* mg/mL | 5 | 0.000005 | 0.00005 | 0.0005 | 0.005 |
| *Propofol,* mg/mL | 10 | 0.00001 | 0.0001 | 0.001 | 0.01 |
| *Ketamine,* mg/mL | 100 | 0.0001 | 0.001 | 0.01 | 0.1 |
| **Muscle Relaxants** |  |  |  |  |  |
| *Atracurium,* mg/mL | 10 | 0.00001 | 0.0001 | 0.001 | 0.01 |
| *Tubocurarine,* mg/mL | 3 | 0.000003 | 0.00003 | 0.0003 | 0.003 |
| *Pancuronium,* mg/mL | 1 | 0.000001 | 0.00001 | 0.0001 | 0.001 |
| *Succinylcholine.* mg/mL | 20 | 0.00002 | 0.0002 | 0.002 | 0.02 |
| *Vecuronium,* mg/mL | 10 | 0.00001 | 0.0001 | 0.001 | 0.01 |
| *Cisatracurium,* mg/mL | 2 | 0.000002 | 0.00002 | 0.0002 | 0.002 |
| *Rocuronium,* mg/mL | 10 | 0.00001 | 0.0001 | 0.001 | 0.01 |
| **Other** |  |  |  |  |  |
| *6% Hetastarch,* mg/mL | 60 | 0.0000006 | 0.000006 | ----- | 0.0006, 0.06, 0.6, 6.0, 60 |
| *Methylprednisolone,*mg/mL | 140 | ------- | 0.0000014 | 0.000014 | 0.00014, 1.4, 14 |
| *Flumazenil,* mg/mL | 0.01 | 0.00000001 | 0.0000001mg/mL | 0.000001 | 0.00001 |
| *Ondansetron,*mg/mL | 2 | 0.000002 | 0.00002 | 0.0002 | ----- |
| **Antibiotics** |  |  |  |  |  |
| *Cefazolin,* mg/mL | 4 | 4 | ----- | ----- | ----- |
| *Levofloxacin,* mg/mL | 5 | 0.01 | 0.1 mg/mL | 1 mg/mL | 5 mg/mL |
| *Ampicillin,* mg/mL | 4 | 4 | ----- | ----- | ----- |
| *Amoxicillin,* mg/mL | 36.5 or 0.1 M | 36.5 or 0.1 M | ----- | ----- | ----- |
| *Gentamicin,* mg/mL | 4 | ----- | ----- | ----- | ----- |
| *Vancomycin,* mg/mL | 4 | ----- | ----- | ----- | ----- |
| **Other** |  |  |  |  |  |
| *Heparin, U/mL* | 100  1:10 prick | ----- | ----- | ----- | ----- |
| *Protamine*, μg/mL | 10  1:10 prick | ----- | ----- | ----- | ----- |
| *Latex* | Neat, 1:10 prick | ----- | ----- | ----- | ----- |
| *Chlorhexidine* | 2% W/V | ----- | ----- | ----- | ----- |
| **Local Anesthetics** |  |  |  |  |  |
| *Bupivacaine,* mg/mL | 5 | 1:100 | 0.1 mL s.c. | 0.5 mL s.c. | 1.0 mL s.c. |
| *Lidocaine,* mg/mL | 10 | 1:100 | 0.1 mL s.c. | 0.5 mL s.c. | 1.0 mL s.c. |

Abbreviations: s.c.= subcutaneous; W/V=