

MISCELLANEOUS DRUGS

Acetylcysteine

- C 140 mg/kg BW IV once, then repeat q6h with 70 mg/kg BW IV or PO for 7 treatments (Kore, 1997)
- D 140 mg/kg BW IV once, then repeat q6h with 70 mg/kg BW IV or PO for 7 treatments (Kore, 1997)
- M 653 mg/kg PO IP (Borchard et al., 1990)
1200 mg/kg BW PO (Borchard et al., 1990)
- R 400 mg/kg BW IP (Borchard et al., 1990)

Alcuronium

- C 0.1 mg/kg BW IV (Flecknell, 1996)
- D 0.1 mg/kg BW IV (Flecknell, 1996)
- Sw 0.25 mg/kg BW IV (Flecknell, 1996)

Allopurinol

- Bi Budgerigars: 100 mg in 10 ml water, then dilute 1 ml of solution in 30 ml water; give fresh several times daily (Ritchie and Harrison, 1997)
- D 10 mg/kg BW PO q8h, then reduce to 10 mg/kg BW PO sid (Kinsell, 1986)

Alloxan

- C 1 ml 10% solution in citrate-phosphate buffer (pH 3.5–4.0) given IA at a rate of 0.5 ml/min (Reiser et al., 1987)
750 mg/kg BW PO (Borchard et al., 1990)
- M 75 mg/kg BW IV (Borchard et al., 1990)
- R 40 mg/kg BW IV (Borchard et al., 1990)
200 mg/kg BW IP, SC (Borchard et al., 1990)

Alprazolam

- C 0.1 mg/kg BW tid or prn (Dodman, 1995)

Aminophylline

- Bi 10 mg/kg BW IV q3h; after initial response give PO (Ritchie and Harrison, 1997)
- C 10 mg/kg BW IM, IV q8–12h: for IV use, dilute in 10–20 ml normal saline or 5% dextrose in water and inject slowly (Kinsell, 1986)
- D 10 mg/kg BW IM, IV q8–12h: for IV use, dilute in 10–20 ml normal saline or 5% dextrose in water and inject slowly (Kinsell, 1986)
- N 25–100 mg/animal PO bid (Johnson et al., 1981)
Lemur: 10 mg/kg BW IV (Feeser and White, 1992)
- Re 2–4 mg/kg BW IM as needed (Frye, 1981)

Amitriptyline

- C 5–10 mg total dose PO (Borchard et al., 1990)
2–4 mg/kg BW sid-tid (Dodman, 1995)
0.5–1 mg/kg BW PO sid, bid (Shanley and Overall, 1995)
- D 1–2 mg/kg BW PO (Borchard et al., 1990)
1–2 mg/kg BW PO bid to start (Shanley and Overall, 1995)
- M 1 mg/kg BW IP, PO (Borchard et al., 1990)

- R 20 mg/kg BW IP (Borchard et al., 1990)
- 10 mg/kg BW SC (Borchard et al., 1990)
- 30 mg/kg BW PO (Borchard et al., 1990)

Amphetamine

- M 5 mg/kg BW IP (Taber and Irwin, 1969)

Atenolol

- C 6.25–12.5 mg/kg BW PO q12–24h (Anonymous, 1994)
- D 1 mg/kg BW PO sid (Jacobs, 1996)
- F 6.25 mg/kg BW PO sid (Johnson-Delaney, 1996)

Atipamezole

- Bo 0.02 mg/kg BW IV (Dunlop and Hoyt, 1997)
- C 0.3–0.5 mg/kg BW IV, SC (Flecknell, 1996)
- D 50–400 µg/kg BW IM, IV (Flecknell, 1996)
- G 1 mg/kg BW IP, SC (Flecknell, 1996)
- Go 0.02 mg/kg BW IV (Dunlop and Hoyt, 1997)
- H 1 mg/kg BW SC (Flecknell, 1996)
- M 1–2.5 mg/kg BW IP (Cruz et al., 1998)
- 1 mg/kg BW IM, IP, SC, IV (Flecknell, 1993)
- R 1 mg/kg BW IP, SC (Flecknell, 1996)
- Rb 0.2 mg/kg BW IV (Flecknell, 1996)
- 1 mg/kg BW IV, SC (Flecknell, 1996)
- Sh 0.02 mg/kg BW IV (Dunlop and Hoyt, 1997)

Atracurium

- Bi Chickens: 0.25–0.46 mg/kg BW IV (Lukasik, 1995)
- C 0.2 mg/kg BW IV (Flecknell, 1996)
- 0.2–0.25 mg/kg BW IV initial bolus; 0.1–0.15 mg/kg BW IV repeat boluses (Lukasik, 1995)

- 0.25 mg/kg BW IV loading dose followed by 3–8 µg/kg BW/min IV infusion (Lukasik, 1995)
- D 0.5 mg/kg BW IV (Flecknell, 1996)
0.2–0.25 mg/kg BW IV initial bolus; 0.1–0.15 mg/kg BW IV repeat boluses (Lukasik, 1995)
0.25 mg/kg BW IV loading dose followed by 3–8 µg/kg BW/min IV infusion (Lukasik, 1995)
- N 0.25–0.3 mg/kg BW IV (Tsai et al., 1987)

Atropine

- Bi 0.01–0.04 mg/kg BW IM, SC (Ritchie and Harrison, 1997)
0.01–0.04 mg/kg BW IM, SC (Harrison and Harrison, 1986)
Organophosphate toxicity: 0.1–0.5 mg/kg BW IM, SC repeated as needed (Ritchie and Harrison, 1997)
- Bo 0.6–0.12 mg/kg BW IV (Schultz, 1989)
For organophosphate poisoning: 0.5–1.0 mg/kg BW IV; may repeat in 1–2h (Schultz, 1989)
0.02–0.04 mg/kg BW IV (Dunlop and Hoyt, 1997)
0.13 mg/kg BW IM, SC (Dunlop and Hoyt, 1997)
- C 0.05 mg/kg BW IM, IV, SC q6h (Kinsell, 1986)
- Ch 0.15 mg SC, IM, IV (Rossoff, 1974)
- D 0.05 mg/kg BW IM, IV, SC q6h (Kinsell, 1986)
- F 0.05 mg/kg BW IM, SC (Andrews and Illman, 1987)
0.02–0.05 mg/kg BW IM, IV, SC (Cantwell, 2001)
- G 0.02–0.05 mg/kg BW SC, IM, IV (CCAC, 1984)
- Go 0.04–0.80 mg/kg BW IM (Swindle and Adams, 1988)
0.13 mg/kg BW IV (Swindle and Adams, 1988)
0.02–0.04 mg/kg BW IV (Dunlop and Hoyt, 1997)
0.13 mg/kg BW IM, SC (Dunlop and Hoyt, 1997)
- Gp 0.02–0.05 mg/kg SC, IM, IV (CCAC, 1984)
- H 0.02–0.05 mg/kg BW SC, IM, IV (CCAC, 1984)
- M 0.05 mg/kg BW IM, SC, IV (Green, 1982)
0.02–0.05 mg/kg BW SC, IM, IV (CCAC, 1984)

- N 0.10 mg/kg BW SC (Domino et al., 1969)
0.05 mg/kg BW SC, IM, IV (CCAC, 1984)
- R 0.04 mg/kg BW IM (Weisbroth and Fudens, 1972)
0.02–0.05 mg/kg BW SC, IM, IV (CCAC, 1984)
- Rb 0.20 mg/kg BW IM, IV, SC (Green, 1982)
For organophosphate overdose: 10 mg/kg BW SC every 20
min (Harkness and Wagner, 1983)
1–3 mg/kg BW IM, SC 30 min before surgery (Green, 1982)
- Re 0.04 mg/kg BW IM, IV, SC, PO as needed (Frye, 1981)
- Sh 0.04–0.80 mg/kg BW IM (Swindle and Adams, 1988)
0.13 mg/kg BW IV (Swindle and Adams, 1988)
0.02–0.04 mg/kg BW IV (Dunlop and Hoyt, 1997)
0.13 mg/kg BW IM, SC (Dunlop and Hoyt, 1997)
- Sw 0.05–0.5 mg/kg BW SC (Swindle and Adams, 1988)
0.044–0.4 mg/kg BW IM (Swindle and Adams, 1988)

Benazepril

- D 0.25 mg/kg BW PO sid (Martin, 1996)

Betamethasone

- Gp 0.1–0.2 ml IM, SC (Richardson, 1992)

Bretylium

- C 15 mg/kg BW IV (Borchard et al., 1990)
- D 5 mg/kg BW IV (Borchard et al., 1990)
- M 12.5 mg/kg BW IV (Borchard et al., 1990)
- N 200 mg/kg BW PO (Borchard et al., 1990)
- R 5 mg/kg BW IV (Borchard et al., 1990)
400 mg/kg BW PO (Borchard et al., 1990)
- Rb 10 mg/kg BW IV (Borchard et al., 1990)
- Sw 5 mg/kg BW IV (Schumann et al., 1993)

Bromhexine

- Bi 0.15 mg/100 g BW IM bid, sid (Harrison and Harrison, 1986)

Buspirone

- C 2–4 mg/kg BW PO bid (Dodman, 1995)
0.5–1 mg/kg BW PO sid (Shanley and Overall, 1995)
D 1 mg/kg BW PO sid (Shanley and Overall, 1995)

Calcitonin

- Re 50 IU/kg BW IM; use in conjunction with oral calcium supplementation (see Neo-Calgucon) (Messonnier, 1996)

Calcium borogluconate

- Re 10 ml/kg BW of 1% solution IM, SC (Bennett, 1997)

Calcium EDTA

- Bi 35 mg/kg BW bid for 5 days; repeat in 3–4 days if necessary (Ritchie and Harrison, 1997)
Bo 110 mg/kg BW IP, IM in 1–2% solution in 5% glucose; skip 2 days and repeat for 2 days for up to 10–14 days (Schultz, 1989)

Calcium gluconate

- Bi 5 ml/30 ml water PO (Ritchie and Harrison, 1997)
50–500 mg/kg BW IV slowly to effect (Ritchie and Harrison, 1997)
5–10 mg/kg BW IM bid (Rupley, 1997)
Rb 5–10 ml of 10% solution PO (Raphael, 1981)
3–5 ml of 10% solution IV (Raphael, 1981)

Re 500 mg/kg BW once each week for 4–6 weeks (Messonnier, 1996)

Calcium gluconate/calcium lactate

Bi 5–10 mg/kg BW IM bid prn (Ritchie and Harrison, 1997)

Calcium glycerophosphate (Calphosan)

Bi 0.5–1 ml/kg BW IM once; may repeat weekly (Harrison and Harrison, 1986)

Captopril

C 0.5–2 mg/kg BW PO tid (Anonymous, 1994)

D 0.5–2 mg/kg BW PO tid (Jacobs, 1996)

Chloroquine phosphate

N 150 mg/adult rhesus monkey PO days 1 and 3 (Schofield et al., 1985)

Chlorpheniramine

Gp 5 mg/kg BW SC (Borchard et al., 1990)

M 1 mg/kg BW IP (Borchard et al., 1990)

N 0.5 mg/kg BW/day PO in divided doses (Johnson et al., 1981)

Cholestyramine (for reversal of antibiotic-induced entero-colitis)

Rb Cholestyramine (2 g active ingredient, which is equivalent to 4 g Questran™) in 20 ml drinking water for 21 days (Lipman et al., 1989)

Cimetidine

- Bi 2.5–5 mg/kg BW IV q6–12h slow injection over 30–40 min
(Ritchie and Harrison, 1997)
- D 5–10 mg/kg BW IM, IV bid, tid (Hoskins, 1997)
5–10 mg/kg BW IV, PO tid, qid (Washabau and Hall, 1997)
- F 10 mg/kg BW IV, PO tid (Harrenstien, 1994)
- Rb 5–10 mg/kg BW q6–12h (Carpenter et al., 1995)

Cisapride

- Bi 0.5–1.5 mg/kg BW PO tid (Ritchie and Harrison, 1997)
- C 0.1–1 mg/kg BW PO bid, tid (Washabau and Hall, 1997)
- D 0.1–1 mg/kg BW PO bid, tid (Washabau and Hall, 1997)
- Rb 0.5 mg/kg BW SC bid, tid (Paul-Murphy and Ramer, 1998)

Clomipramine

- Bi 0.5–1 mg/kg BW PO q12–24h (Rupley, 1997)
- C 1–1.5 mg/kg BW PO sid (Dodman, 1995)
0.5 mg/kg BW PO sid (Shanley and Overall, 1995)
- D 1 mg/kg BW PO bid for 2 weeks, then 2 mg/kg BW PO bid
for 2 weeks, then 3 mg/kg BW PO bid for 4 weeks
(maintenance) (Shanley and Overall, 1995)

Cortisone

- R 0.25–1.25 mg/day SC, IM, PO (Rossoff, 1974)

Cyclosporine

- D 2% drops in the eye for 6 weeks (González Alonso-Alegre
et al., 1999)
- R 100 mg/kg BW/day SC (Thliveris et al., 1991)

- 25 mg/kg BW/day IP (Thliveris et al., 1991)
15 mg/kg BW/day SC (Sonnino et al., 1990)
Rb 10 mg/kg BW/d IV at 2 mg/kg/min (Petraitiene et al., 2001)

Cyproterone

- D 1.25–2.5 mg/kg BW/day for 10 days (Cotard, 1996)

Delmadinone acetate

- D 3 mg/kg BW SC once (Cotard, 1996)

Deoxycorticosterone pivalate

- D 2.2 mg/kg BW IM every 25 days (Sullivan and Graziani, 1996)

Dexamethasone

- Bi 0.5–2 mg/kg BW IM, IV sid (Ritchie and Harrison, 1997)
Bo 5–20 mg IV, IM, PO (Schultz, 1989)
C 0.125–0.5 mg sid or divided doses IV, IM, PO (Kinsell, 1986)
D 0.25–1.25 mg sid or divided bid PO (Kinsell, 1986)
0.25–1.0 mg sid IM, IV (Kinsell, 1986)
F 0.5–1 mg/kg BW IM, SC (Johnson-Delaney, 1996)
2–4 mg/kg BW IM, IV once (Johnson-Delaney, 1996)
0.5–2 mg/kg BW IV (Hillyer, 1997)
Gp 0.1 ml SC (Richardson, 1992)
N 0.25–1.0 mg/kg BW PO, IM total dose (Melby and Altman, 1976)
Rb 0.5–2 mg/kg BW IM, IV (Paul-Murphy and Ramer, 1998)
Re 0.125–0.625 mg/kg BW IV, IM as needed (Frye, 1981)

Dexamethasone sodium phosphate

- Bi 2–4 mg/kg BW IV sid, bid (Rupley, 1997)
- Bo 1–2 mg/kg BW slow IV (Schultz, 1989)
- C 1–5 mg/kg BW slow IV (Schultz, 1989)
- D 1–5 mg/kg BW slow IV (Schultz, 1989)
- Sh 1–2 mg/kg BW slow IV (Schultz, 1989)

Dextrose

- Bi 50–100 mg/kg BW slow IV (Ritchie and Harrison, 1997)
- Rb 2 ml/kg BW of 50% solution (Williams, 1976)

Diethylstilbestrol

- Bi 0.03–0.1 ml of 0.25 mg/ml stock/30 g BW IM (Harrison and Harrison, 1986)
1 drop of 0.25 mg/ml stock/30 ml drinking water (Harrison and Harrison, 1986)
- C 0.05–0.1 mg/day PO (Kinsell, 1986)
- D 0.1–1 mg/day PO (Kinsell, 1986)

Digoxin

- D 0.006–0.009 mg/kg BW PO bid to achieve 1–2 ng/ml serum concentration (Jacobs, 1996)
- F 0.1 mg PO sid (Hillyer, 1997)

Diltiazem

- C 7.5 mg/kg BW PO tid (Anonymous, 1994)
- D 0.5–1.5 mg/kg BW PO tid (Jacobs, 1996)
- F 3.75–7.5 mg/animal PO bid (Johnson-Delaney, 1996)

Dimethyl sulfoxide

- Bi 1 ml/kg BW topically every 4–5 days or weekly (Ritchie and Harrison, 1997)
- D Apply topically; do not exceed 20 ml/day for 14 days (Kinsell, 1986)

Diphenhydramine

- Bi 2–4 mg/kg BW q12h IM, IV, PO (Ritchie and Harrison, 1997)
- C 4 mg/kg BW PO q8h (Kinsell, 1986)
0.5 mg/lb BW IV (considered a high dose by Kinsell, 1986)
- D 4 mg/kg BW PO q8h (Kinsell, 1986)
0.5 mg/lb BW IV (considered a high dose by Kinsell, 1986)
- F 0.5–2 mg/kg BW IM, IV, PO bid or tid prn (Johnson-Delaney, 1996)
- Gp 5 mg/kg BW SC (Melby and Altman, 1976)
12.5 mg/kg BW IP (Borchard et al., 1990)
- M 50 mg/kg BW IP (Borchard et al., 1990)
- N Lemur: 5 mg/kg BW IM (Feaser and White, 1992)
- R 10 mg/kg BW SC (Borchard et al., 1990)

Diphenoxylate/atropine sulfate

- N 1 ml/animal PO tid (Holmes, 1984)

Doxapram

- Bi 5–10 mg/kg BW IV, IM once (Harrison and Harrison, 1986)
- C 5–10 mg/kg BW IV; may repeat in 15–20 min (Kinsell, 1986)
- D 5–10 mg/kg BW IV; may repeat in 15–20 min (Kinsell, 1986)

- F 5–11 mg/kg BW IV (Johnson-Delaney, 1996)
1–2 mg/kg BW IV (Flecknell, 1987)
- G 5–10 mg/kg BW IV (Flecknell, 1987)
- Go 2–10 mg/kg BW IV (Swindle and Adams, 1988)
- Gp 5 mg/kg BW IV (Flecknell, 1987)
10–15 mg/kg BW IM, SC (Richardson, 1992)
- H 5–10 mg/kg BW IV (Flecknell, 1987)
- M 5–10 mg/kg BW IV (Flecknell, 1987)
- N 2 mg/kg BW IV (Flecknell, 1987)
- R 5–10 mg/kg BW IV (Flecknell, 1987)
- Rb 2–5 mg/kg BW IV (Flecknell, 1987)
- Sh 2–10 mg/kg BW IV (Swindle and Adams, 1988)
- Sw 2–10 mg/kg BW IV (Swindle and Adams, 1988)

Doxepin

- Bi 0.5–1 mg/kg BW PO bid (Ritchie and Harrison, 1997)
- D 3–5 mg/kg BW PO bid (Shanley and Overall, 1995)

Edrophonium

- C 0.5 mg/kg BW IV (Lukasik, 1995)
- D 0.5 mg/kg BW IV (Lukasik, 1995)

Enalapril

- D 0.5 mg/kg BW PO sid, bid (Jacobs, 1996)
0.5 mg/kg BW PO sid (package insert)
- F 0.5 mg/kg BW PO q48h (Johnson-Delaney, 1996)

Esmolol

- C 0.25–0.5 mg/kg BW IV slow bolus; 50–200 $\mu\text{g}/(\text{kg}\cdot\text{min})$
infusion (Anonymous, 1994)

- D 0.25–0.5 mg/kg BW IV slow bolus; 50–200 $\mu\text{g}/(\text{kg}\cdot\text{min})$ infusion (Anonymous, 1994)

Flumazenil

- Bi Quail: 0.1 mg/kg BW IM (Day and Boge, 1996)

Fluoxetine

- Bi 2.3–3 mg/kg BW PO sid (Dodman, 1997)
2 mg/kg BW PO bid (Rupley, 1997)
C 0.5 mg/kg BW PO sid (Shanley and Overall, 1995)
D 1 mg/kg BW PO sid (Shanley and Overall, 1995)

Flutamide

- D 5 mg/kg BW/day PO for 7 days (Cotard, 1996)

Furosemide

- Bi 0.15–2 mg/kg BW IM, IV q12–24h (Ritchie and Harrison, 1997)
0.05 mg/300 g BW IM bid (Harrison and Harrison, 1986)
C 2 mg/kg BW IV q12h to a maximum total dose of 5 mg (Kinsell, 1986)
2–4 mg/kg PO q8–12h (Kinsell, 1986)
D 2 mg/kg BW IV q12h to a maximum total dose of 40 mg (Kinsell, 1986)
2–4 mg/kg PO q8–12h (Kinsell, 1986)
F 2–4 mg/kg BW IM, IV (Hillyer, 1997)
N 2 mg/kg BW PO (Johnson et al., 1981)
Rb 2–5 mg/kg BW IM, IV, PO, SC bid (Paul-Murphy and Ramer, 1998)
Re 5 mg/kg BW IM, IV sid or bid (Frye, 1981)

Gallamine

- Am 6 mg/kg BW in ventral lymph sac (Lumb and Jones, 1984)
- C 1 mg/kg BW IV (Flecknell, 1996)
- D 1 mg/kg BW IV (Flecknell, 1996)
- Go 4 mg/kg BW IV (Flecknell, 1996)
- Gp 0.1–0.2 mg/kg BW IV (Flecknell, 1996)
- M 1.2 mg/kg BW IV (Lumb and Jones, 1984)
- R 1 mg/kg BW IV (Flecknell, 1996)
0.01 mg/kg BW IV (Borchard et al., 1990)
- Rb 1 mg/kg BW IV (Flecknell, 1996)
0.2–0.3 mg/kg BW IV (Lumb and Jones, 1984)
- Sh 1 mg/kg BW IV (Flecknell, 1996)
- Sw 2 mg/kg BW IV (Flecknell, 1996)

Glycopyrrolate

- C 5 µg/lb or 0.25 ml/10 lb BW IM (package insert)
- D 0.01 mg/kg BW IM (Ko et al., 1997)
0.01 mg/kg BW IV (Flecknell, 1996)
- F 0.01 mg/kg BW IM, SC (Mason, 1997)
0.01–0.02 mg/kg BW IM, SC (Mason, 1997)
0.01 mg/kg BW IM, IV, SC (Cantwell, 2001)
- G 0.01–0.02 mg/kg BW IM, SC (Mason, 1997)
- Gp 0.01–0.02 mg/kg BW IM, SC (Mason, 1997)
- N 13–17 µg/kg IM (Sanders et al., 1991)
- R 0.5 mg/kg BW IM (Flecknell, 1996)
0.01–0.02 mg/kg BW IM, SC (Mason, 1997)
- Rb 0.1 mg/kg BW IM, SC (Flecknell, 1996)
0.011 mg/kg BW IV (Aeschbacher, 1995)
0.01 mg/kg BW IV (Flecknell, 1996)

Gonadotropin-releasing hormone

- F 20 µg IM; repeat in 12 days if necessary (Kolmstetter et al., 1996)

Guanfacine

- N 0.5 mg/kg BW IM, PO bid (Macy et al., 2000)

Heparin

- C 1 mg/kg BW IV (Kinsell, 1986)
D 1 mg/kg BW IV (Kinsell, 1986)
Gp 5 mg/kg BW IV (Melby and Altman, 1976)
M 10 mg/kg BW IV (Melby and Altman, 1976)
N 2 mg/kg BW IV (Melby and Altman, 1976)
R 10 mg/kg BW IV (Borchard et al., 1990)
Rb 5 mg/kg BW IV (Melby and Altman, 1976)

Human chorionic gonadotropin (hCG)

- F 100 IU IM; repeat in 12 days if necessary (Kolmstetter et al., 1996)
100 IU IM, SC; may repeat in 2 weeks (Johnson-Delaney, 1996)
Rb 20–25 IU IV (Hafez, 1970)

Hydralazine

- D 0.5–2 mg/kg BW PO bid (Jacobs, 1996)

Indapamide

- R 3 mg/kg BW IP (Delbarre and Delbarre, 1988)

Insulin

- N Start NPH insulin at 0.25–0.5 U/kg BW/day SC (Schultz, 1989)

Iodine (Lugol's)

- Bi 2 ml/30 ml water stock; dose at 1 drop in each 250 ml water given daily for goiter (Harrison and Harrison, 1986)

Iron

- R 240 mg/kg feed (Borràs, 1998)

Iron dextran

- Bi 10 mg/kg BW IM; repeat weekly (Harrison and Harrison, 1986)

Kaolin

- Gp 0.2 ml given 3–4 times daily (Kaopectate V) (Richardson, 1992)

Kaolin/pectin

- N 0.5–1 ml/kg BW PO q2–6h (Johnson et al., 1981)

Levallorphan

- Any species: give 1 mg levallorphan (up to a maximum of 0.5 mg/kg BW) for every 50 mg of morphine that was given (Green, 1982)

Levonorgestrel

N 1 mg/kg BW PO q24h (Mann et al., 1986)

Levothyroxine

Bi 20 µg/kg BW PO q12–24h (Ritchie and Harrison, 1997)

Loperamide

D 0.08 mg/kg BW PO qid (Chiapella, 1988)

Rb 0.1 mg/kg BW PO tid for 3 days, then sid for 2 days
(Banerjee et al., 1987)

Meclazine

Rb 2–12 mg/kg BW PO sid (Paul-Murphy and Ramer, 1998)

Medroxyprogesterone acetate

Bi 5–25 mg/kg BW IM, SC q4–6h (Ritchie and Harrison, 1997)

Megestrol acetate

D 0.55 mg/kg PO for 4 weeks (Cotard, 1996)

F Not recommended (Kolmstetter et al., 1996)

Meprobamate

Gp 100 mg/kg BW IM (Melby and Altman, 1976)

H 100 mg/kg BW IM (Melby and Altman, 1976)

M 100 mg/kg BW IM (Melby and Altman, 1976)

N 100–400 mg/kg BW PO (Melby and Altman, 1976)

R 150 mg/kg BW IM (Melby and Altman, 1976)

Rb 50–150 mg/kg BW IM (Melby and Altman, 1976)

Methylprednisolone

- C 1 mg/kg BW IM/week (Kinsell, 1986)
- D 20 mg or less intrasynovially (Kinsell, 1986)
1 mg/kg BW IM/week (Kinsell, 1986)
- Gp 2 mg/kg BW IM every 30 days (Bauck, 1989)

Methylprednisone

- Rb 5 mg/kg BW/d IV (Petraitiene et al., 2001)

Metoclopramide

- Bi 0.5 mg/kg BW IM, IV, PO bid, tid (Rupley, 1997)
- C 0.2–0.5 mg/kg BW PO tid (Washabau and Hall, 1997)
- Ch 0.5 mg/kg BW SC tid (Johnson-Delaney, 1996)
- D 0.2–0.4 mg/kg BW SC tid (Hoskins, 1997)
0.2–0.5 mg/kg BW PO tid (Washabau and Hall, 1997)
1–2 mg/kg BW/day IV over 24 h (Hoskins, 1997)
- Rb 0.2–0.5 mg/kg BW PO, SC (Carpenter et al., 1995)
0.2–0.4 mg/kg BW SC sid-tid (Messonnier, 1996)

Metocurine

- Am 0.94 mg/kg BW in ventral lymph sac (Lumb and Jones, 1984)
- M 0.08–0.1 mg/kg BW IV (Lumb and Jones, 1984)
- R 0.009 mg/kg BW IV (Lumb and Jones, 1984)
- Rb 0.01–0.015 mg/kg BW IV (Lumb and Jones, 1984)

Mineral oil

- Bi 1–3 drops/30 g BW PO once (Harrison and Harrison, 1986)
5 ml/kg BW PO once (Harrison and Harrison, 1986)
- C 2–6 ml PO (Kinsell, 1986)
- D 5–30 ml PO (Kinsell, 1986)

Misoprostol

- C Not recommended (Kore, 1997)
- D 2–5 µg/kg BW PO tid (Kore, 1997)

Nalorphine

Note: Any species: give 1 mg nalorphine (up to a maximum of 2 mg/kg BW) for every 10 mg of morphine that was given (Green, 1982)

- C 1 mg/kg BW IM, IV, SC; no more than 5 mg per dose (Kinsell, 1986)
- D 5 mg/kg BW IM, IV, SC; no more than 5 mg per dose (Kinsell, 1986)
- M 2 mg/kg BW IV (Harkness and Wagner, 1983)
- R 2 mg/kg BW IV (Harkness and Wagner, 1983)
- Rb 2 mg/kg BW IV (Harkness and Wagner, 1983)

Naloxone

- C 0.04 mg/kg BW IM, IV, SC (Short, 1997)
- D 0.04 mg/kg BW IM, IV, SC (Short, 1997)
Dose to effect, usually 0.2–0.4 mg total dose IM, SC, IV (Kinsell, 1986)
- G 0.01–0.1 mg/kg BW IP, IV (Flecknell, 1987)
- Gp 0.01–0.1 mg/kg BW IP, IV (Flecknell, 1987)
- H 0.01–0.1 mg/kg BW IP, IV (Flecknell, 1987)
- M 0.05–0.1 mg/kg BW IM, IP, IV (Flecknell, 1993)
0.01–0.1 mg/kg BW IP, IV (Flecknell, 1987)
- N 0.01–0.05 mg/kg BW IM, IV (Flecknell, 1987)
2–3 ml SC, IM, IV (Rosenberg, 1991)
- R 0.01–0.1 mg/kg BW IP, IV (Flecknell, 1987)
- Rb 0.01–0.1 mg/kg BW IM, IV (Flecknell, 1987)

Naltrexone

- Bi 1.5 mg/kg BW PO bid, tid (Rupley, 1997)
- C 2–4 mg/kg BW sid (Dodman, 1995)

Neo-Calglucon

- Re 1 ml/kg BW PO bid, prn (used with calcitonin) (Messonnier, 1996)

Neostigmine

- C 40–60 µg/kg BW IV (Lukasik, 1995)
- D 40–60 µg/kg BW IV (Lukasik, 1995)

Omeprazole

- C 0.7 mg/kg BW PO sid (Washabau and Hall, 1997)
Not recommended (Kore, 1997)
- D 0.7 mg/kg BW PO sid (Washabau and Hall, 1997)

Oxytocin

- Bi 5 U/kg BW IM, IV, SC once (Ritchie and Harrison, 1997)
- Bo 75–100 U IM, IV (Schultz, 1989)
- C 5–10 U IM, IV, SC (Kinsell, 1986)
- D 5–30 U IM, IV, SC (Kinsell, 1986)
- Gp 0.2–0.3 U/kg BW IM (Harrenstien, 1994)
1–2 U IM (Richardson, 1992)
- N 5–20 U IM, IV total dose (Melby and Altman, 1976)
- R 1 U SC, IM total dose (Rossoff, 1974)
- Rb 1–2 U IM, SC total dose (Melby and Altman, 1976)
0.2–3 units/kg BW IM, IP, IV, SC (Schuchman, 1977)
- Sh 30–50 U IM, IV, SC (Kinsell, 1986)
- Sw 30–50 U IM, IV, SC (Kinsell, 1986)

Pancuronium

- C 0.06 mg/kg BW IV (Flecknell, 1996)
0.03–0.1 mg/kg BW IV initial bolus; 0.015–0.05 mg/kg BW
IV repeat boluses (Lukasik, 1995)
0.1 mg/kg BW IV (Borchard et al., 1990)
- D 0.06 mg/kg BW IV (Flecknell, 1996)
0.03–0.1 mg/kg BW IV initial bolus; 0.015–0.05 mg/kg BW
IV repeat boluses (Lukasik, 1995)
0.1 mg/kg BW IV (Borchard et al., 1990)
- Go 0.06 mg/kg BW IV (Flecknell, 1996)
- Gp 0.06 mg/kg BW IV (Flecknell, 1996)
- M 0.03 mg/kg BW IV (Lumb and Jones, 1984)
- N 0.07 mg/kg BW IV (Durant et al., 1980)
- R 2 mg/kg BW IV (Flecknell, 1996)
- Rb 0.1 mg/kg BW IV (Flecknell, 1996)
0.008 mg/kg BW IV (Lumb and Jones, 1984)
- Sh 0.06 mg/kg BW IV (Flecknell, 1996)
- Sw 0.06 mg/kg BW IV (Flecknell, 1996)

Parachloramphetamine

- R 2 mg/kg BW IP once (Saito et al., 1996)

Note: Used for chemically induced ejaculation in rats.

Pindolol

- D 0.125–0.25 mg/kg BW PO bid (Dodman and Shuster, 1994)

Prednisolone

- C For prolonged use, 2–4 mg/kg BW PO qod (Kinsell, 1986)
For immune suppression, 3 mg/kg BW IM, PO q12h
(Kinsell, 1986)

- For allergy, 1 mg/kg BW IM, PO q12h (Kinsell, 1986)
- D For prolonged use, 0.5–2 mg/kg BW PO qod (Kinsell, 1986)
For immune suppression, 2 mg/kg BW IM, PO q12h
(Kinsell, 1986)
For allergy, 0.5 mg/kg BW IM, PO q12h (Kinsell, 1986)

Prednisolone sodium phosphate

- Bi 0.5–1 mg/kg BW once IM, IV (anti-inflammatory) (Rupley, 1997)

Prednisolone sodium succinate

- Bi 10–20 mg/kg BW IV, IM every 15 min to effect (Harrison and Harrison, 1986)
- D 5.5–11 mg/kg BW IV, then repeat at 1, 3, 6, or 10 h prn (Kinsell, 1986)
- N 1–15 mg/kg BW PO total dose (Melby and Altman, 1976)
1–5 mg/kg BW/day PO (Rosenberg et al., 1987)
10 mg/kg BW IV (Feeser and White, 1992)
Lemur: 10 mg/kg BW IV (Feeser and White, 1992)
- Re 5–10 mg/kg BW IM, IV as needed (Frye, 1981)

Prednisone

- D 0.5 mg/kg BW PO bid for 1 week, then sid for 1 week, the q48h for 2 weeks (Ferrer et al., 1999)
- N 0.5–1 mg/kg BW PO bid for 3–5 days, then sid for 3–5 days, then q48h for 10 days, then ½ dose q48h (Isaza et al., 1992)

Prednisone and azathioprine (respectively)

- D 2–4 mg/kg BW IV, IM, PO for 2–3 weeks (then reduce) and 50 mg/m² PO sid for 2–6 weeks (then reduce) (Michels and Carr, 1997)

Prednisone and chlorambucil (respectively)

- D 2–4 mg/kg BW IV, IM, PO for 2–3 weeks (then reduce) and 2 mg/m² PO sid or qod (use lowest effective dose for maintenance) (Michels and Carr, 1997)

Prednisone and cyclophosphamide (respectively)

- D 2–4 mg/kg BW IV, IM, PO for 2–3 weeks (then reduce) and 50 mg/m² PO qod for 1 week, or sid for 4 days then skip 3 days; repeat cycle for 3–4 weeks (Michels and Carr, 1997)

Prochlorperazine

- D 0.1 mg/kg BW IM tid, qid (Hoskins, 1997)

Propranolol

- C 0.5–1 mg/kg BW PO tid (Jacobs, 1996)
D 0.5–1 mg/kg BW PO tid (Jacobs, 1996)

Ranitidine

- C 1–2 mg/kg BW IV, PO bid, tid (Washabau and Hall, 1997)
1–2 mg/kg BW IM, PO bid, tid (Hall and Washabau, 1997)
2.5 mg/kg BW IV bid (Kore, 1997)
3.5 mg/kg BW PO bid (Kore, 1997)

- D 2–4 mg/kg BW IV, SC bid, tid (Hoskins, 1997)
1–2 mg/kg BW IV, PO bid, tid (Washabau and Hall, 1997)
1–2 mg/kg BW IM, PO bid, tid (Hall and Washabau, 1997)

Scopolamine

- N 0.01 mg/kg BW SC (Domino et al., 1969)

Stanozolol—See Winstrol-V

Streptokinase

- D 20,000–500,000 U/h diluted in saline, continuous central vein infusion over 4–5 h (Dennis, 1993)
Rb 4000 U/kg BW/h IV (Agnelli et al., 1985)

Streptozotocin

- M 200 mg/kg BW IV once (Fromtling et al., 1985)
N 45–55 mg/kg BW IV once (Takimoto et al., 1988)
R 55 mg/kg BW IV (Borchard et al., 1990)
60 mg/kg BW IP (Borchard et al., 1990)
22 mg/kg BW IM (Borchard et al., 1990)
50 mg/kg BW IP (Alder et al., 1992)

Succinylcholine

- Am 2.5 mg/kg BW in ventral lymph sac (Lumb and Jones, 1984)
C 0.06 mg/kg BW via continuous IV infusion (Kinsell, 1986)
D 0.07 mg/kg BW via continuous IV infusion (Kinsell, 1986)
M 0.05–0.1 mg/kg BW IV (Lumb and Jones, 1984)
N 2 mg/kg BW IV (Cramlet and Jones, 1976)
Rb 0.5 mg/kg BW IV (Green, 1982)
Re Chelonians: 0.25–1.5 mg/kg BW IM (Page, 1993)

- Sh 0.02 mg/kg BW via continuous IV infusion (Kinsell, 1986)
Sw 0.12–0.18 mg/kg BW via continuous IV infusion (Kinsell, 1986)

Sucralfate

- C 250 mg/animal PO bid, tid (Kore, 1997)
D 500–1000 mg/animal PO bid, tid (Kore, 1997)
F 125 mg/animal PO qid (Harrenstien, 1994)

Suxamethonium

- C 0.2 mg/kg BW IV (Flecknell, 1996)
D 0.4 mg/kg BW IV (Flecknell, 1996)
Rb 0.5 mg/kg BW IV (Flecknell, 1996)
Sh 0.02 mg/kg BW IV (Flecknell, 1996)
Sw 2 mg/kg BW IV (Flecknell, 1996)

Testosterone

- Bi 8 mg/kg BW IM, PO once, then weekly as needed (Ritchie and Harrison, 1997)

Tissue plasminogen activator

- D 1 mg/kg BW IV over 15–90 min (Dennis, 1993)
1 mg/kg BW IV bolus every hour for 10 doses (Clare and Kraje, 1998)

Tolazoline

- Bi 15 mg/kg BW IV (Sinn, 1997)
Bo 0.2 mg/kg BW IV (Schultz, 1989)
0.5 mg/kg BW SC (Schultz, 1989)

Go 2–5 mg/kg BW IV slowly over 1 min (NCSU, 1987)

Sh 2–5 mg/kg BW IV slowly over 1 min (NCSU, 1987)

Tripelennamine

Gp 5 mg/kg BW PO, IM (Melby and Altman, 1976)

Tubocurarine

Am 1.4–7.5 mg/kg BW in ventral lymph sac (Lumb and Jones, 1984)

C 0.4 mg/kg BW IV (Flecknell, 1996)

D 0.4 mg/kg BW IV (Flecknell, 1996)

Go 0.3 mg/kg BW IV (Flecknell, 1996)

Gp 0.1–0.2 mg/kg BW IV (Flecknell, 1996)

M 1 mg/kg BW IV (Flecknell, 1996)

0.06–0.09 mg/kg BW IV (Lumb and Jones, 1984)

N 0.09 mg/kg BW IV (Cramlet and Jones, 1976)

R 0.4 mg/kg BW IV (Flecknell, 1996)

0.04–0.06 mg/kg BW IV (Lumb and Jones, 1984)

Rb 0.4 mg/kg BW IV (Flecknell, 1996)

0.09–0.15 mg/kg BW IV (Lumb and Jones, 1984)

Sh 0.4 mg/kg BW IV (Flecknell, 1996)

Vecuronium

C 0.1 mg/kg BW IV (Flecknell, 1996)

0.01–0.1 mg/kg BW IV initial bolus; 0.005–0.04 mg/kg BW IV repeat boluses (Lukasik, 1995)

D 0.1 mg/kg BW IV (Flecknell, 1996)

0.01–0.1 mg/kg BW IV initial bolus; 0.005–0.04 mg/kg BW IV repeat boluses (Lukasik, 1995)

0.1 mg/kg BW IV initial bolus followed by 1.6–1.7 µg/kg BW/min IV infusion (Lukasik, 1995)

- Go 0.15 mg/kg BW IV (Flecknell, 1996)
R 0.45 mg/kg IV (Durant et al., 1980)
Sh 0.05 mg/kg BW IV (Flecknell, 1996)
Sw 0.15 mg/kg BW IV (Flecknell, 1996)

Verapamil

- D 0.05 mg/kg BW IV slowly over 2–3 min; repeat to total dose of 0.15 mg/kg over 10–15 min (Anonymous, 1994)

Vitamin A

- Re 50,000 IU every 2 weeks IM (Snipes, 1984)
Tortoises: 11,000 IU/kg BW IM once (Page and Mautino, 1990)

Vitamin B complex

- Bi 10–30 mg/kg thiamine IM every 7 days (Ritchie and Harrison, 1997)
1–2 g/kg food (Ritchie and Harrison, 1997)
Raptors, cranes, and penguins: 1–2 mg/kg sid (Ritchie and Harrison, 1997)
C 1–2 ml IM, IV, 1–2 times/week prn (Kinsell, 1986)
D 1–2 ml IM, IV, 1–2 times/week prn (Kinsell, 1986)

Vitamin B₁₂

- Bi 200–500 g/kg BW IM every 7 days (Ritchie and Harrison, 1997)

Vitamin C

- Bi 20–40 mg/kg BW IM daily to weekly (Ritchie and Harrison, 1997)

- C** 100 mg/day PO (Kinsell, 1986)
25–75 mg IM, IV, SC (Kinsell, 1986)
100 mg PO q8h as urinary acidifier (Kinsell, 1986)
- D** 100–500 mg/day PO (Kinsell, 1986)
25–75 mg IM, IV, SC (Kinsell, 1986)
100–500 mg PO q8h as urinary acidifier (Kinsell, 1986)
- Gp** 10–30 mg/kg BW IM, PO sid (Harrenstien, 1994)
50 mg/day PO or parenterally (Williams, 1976)
200 mg/l drinking water (Harkness and Wagner, 1977)
10 mg/kg BW IM followed by oral supplementation (Bauck, 1989)
- Re** 100–250 mg/kg BW IM sid (Messonnier, 1996)
Tortoises: 10–20 mg/kg BW IM sid (Page and Mautino, 1990)

Vitamin D₃

- D** 1–2 rounded tsp/10 lb BW PO sid; mix with feed or water (as a drench) (Kinsell, 1986)
- N** 2000 IU/kg BW in diet (Whitney et al., 1973)
- Re** 7500 IU every 2 weeks IM (Snipes, 1984)
Tortoises: 1650 IU/kg BW IM once (Page and Mautino, 1990)

Vitamin E/selenium (1 mg Se and 50 mg vitamin E/ml)

- Bi** 0.05–0.1 ml/kg BW IM, SC every 14 days (Ritchie and Harrison, 1997)

Vitamin K₁

- Bi** 0.2–2.5 mg/kg BW IM prn (Ritchie and Harrison, 1997)
0.2–2.5 mg/kg BW IM for 1–2 injections (Harrison and Harrison, 1986)

Warfarin poisoning: 0.2–2.5 mg/kg BW IM bid for 7 days
(Ritchie and Harrison, 1997)

Winstrol-V (stanozolol)

- Bi** 0.5–1 mg/kg BW IM every 3–7 days (Ritchie and Harrison, 1997)
0.5–1 mg/kg BW IM (Harrison and Harrison, 1986)
- C** 10–25 mg IM weekly (Kinsell, 1986)
- D** 10–50 mg IM weekly (Kinsell, 1986)

Yohimbine

- Bi** 0.1 mg/kg BW IV (Sinn, 1997)
- Ch** 2.1 mg/kg BW IP (Hargett et al., 1989)
- Go** 0.2 mg/kg BW IV slowly over 1 min (NCSU, 1987)
- Gp** 1.0 mg/kg BW IP (Strother and Stokes, 1989)
- M** 2.1 mg/kg BW IP (Flecknell, 1993)
- R** 2.1 mg/kg BW IP (Hsu et al., 1986)
- Rb** 0.2 mg/kg BW IV (Keller et al., 1988)
- Sh** 0.2 mg/kg BW IV slowly over 1 min (NCSU, 1987)