



AN ASSIGNMENT ON ROUTINELY USE DRUGS IN OUR CLINIC



Submitted to :

Submitted by :

DEPARTMENT OF TEACHING VETERINARY CLINICAL COMPLEX
VANBANDHU COLLEGE OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY
NAVSARI AGRICULTURAL UNIVERSITY
NAVSARI.

Parental administration of Drugs and its Dosages.

ANTIBIOTICS

Sr. no.	Name of Drugs	Dose	(trade name)TN. With presentation	Indications/MOA/precaution
1.	Amoxicillin (Long acting)	D/Cat:10-20mg(TD)BID C/H/G: 10mg/kg BW. BID. IM, IV, PO.	Inj. INVEMOX(amoxy-15%LA)-100ml(sequent) Inj. SYNKRON-4g(amoxy -2g&cloxa-2g)(cadila) Bol. AMOXIRAM (1.5gm,2'S)(virbac) Pow. IRIS MOX(10%w/w,50&500mg)(iris)	Mastitis, UTI, Otitis, Wound Infectious, calf scours, Metritis, hemorrhagic Septicemia
2.	Amoxicillin + dicloxacillin	D/cat :10-20mg(TD) C/H/G:10mg/kg BW(TD) BID IM,IV	Inj. MOXEL-D ...500mg,2.5g,3g,4g.(alembic) Inj. INTAMOX-D...500mg,2.5g,3.5g,4.5g.(intas) (Amoxy &dicloxa equal conc.)	
3.	Amoxicillin + sulbactam	LA : 3-4 g OD BID(TD) SA: 300 mg OD BID(TD)	Inj. PETROMOX ...300mg,3g,4.5g(novartis) Inj. AMOXIRUM FORTE -300mg,3g,4.5g(virbac) (amoxy-200mg&sulb-100mg=300mg) (amoxy-2g&sulb-1g=3g)(amoxy-3g&sulb-1.5g=4.5g)	Otitis, UTI, Skin & Soft tissue infection, Mixed bacterial infection
4.	(Amoxicillin-200mg+ Cavulinate potassium-28.75mg)/5ml	D/cat: 8.75mg/kg BW IV, IM, SC. & 12.5-25mg/kg BW PO	Dry susp. CLAVAM (6.6g)...30ml Dry susp. TEMOBAX(6.6g)...30ml(vetnex) Dry susp. AUGMENTIN(6.6g)...30ml(GSK)	RTI, Otitis, UTI, skin & soft tissue infections, mixed bacterial infection. Penicillin hypersensitivity reaction may occur.
5.	Ampicillin +dicloxacillin	C/B/S/G/H:5-10mg/kg BW D/cat: 10mg/kgBW IM,IV,SC&20mg/kg PO	Inj. AC-VET FORT D...3g(intas) Inj. BAXIVET-D...2.5g,4g(lyka) (Ampi+diclox equql conc.)	RTI,UTI,gastro intestinal,skine and soft tissue infections,otitis pneumonia,pharyngitis,mastitis,metritis,synovitis. Penicillin hypersensitivity reaction may occur.
6.	Azithromycin	D/cat: 5-10mg/Kg BW OD-BID PO On empty stomach	Tab. AZEE...100mg,250mg,500mg(cipla) Tab. AZITHIRAL...100mg,250mg,500mg(alembic) Syrup. AZITHIRAL...15ml(100mg&200mg/5ml)	Respiratory tract, Skin, Soft tissue and non-tubercular mycobacterial infections.

Sr. no.	Name of Drugs	Dose	(trade name)TN. With presentation	Indications/MOA/precaution
7.	Benzathine penicillin (long acting)	C/H/S/G: 12000 IU/ Kg BW IM only D/cat: 40000 IU /Kg BW. IM only	Inj. PENIDURE-LA...6lac, 12lac, 24lac.(wyeth)	Stepto, staphylo, pneumococcus corny bacterium, leptospira clostridium, Actinomycosis, anthrax, blackleg, tetanus, arthritis, Mastitis, Metritis, hemorrhagic Septicemia, exudative epidermitis, pyelonephritis. Horse : Strangle,
8.	Ceftriaxone	LA: 5-10 mg/kg BW Calf/S/G: 10-15mg/kg D/Cat: 15-25 mg/kg BW IV IM.	Inj. INTACEF ...0.25g,0.5g,1g,2g,3g,4g(intas) Inj. WOCEF ...0.5g,3g(vetoquinol) Inj. ZYDACEF ...4g(zydus) Inj. CEFSTAN ...500mg,3g(pfizer)	It effective against both GM-VE &GM +VE Bacteria (aerobes and anaerobes), and mastitis, H.S. pneumonia, peritonitis, skin and soft tissue infection. Avoid use in penicillin Hyper sensitiv animals as cross rasistance between penicillin and cephalosporin has been observed.
	Ceftriaxone3g + tazobactum 3.375mg	C/B: 5-6mg/kg BW IM,IV	Inj. CEFSTAN-PLUS ...3.375g(Pfizer) Inj. WOCEF-XP ...3.375gm(vetoquinol) Inj. CETRIAX-TAZO ...3.375gm(KAPL) (ceftriaxone-3g&tazobactum375mg) Inj. INTACEF-TAZO ...562mg,2.25g,3.375g,4.5g(intas) Inj. VETAZO ...2.25g,3.375g(zydus)	
	Ceftriaxone+ sulbactum	All animal: 5-6mg/kg BW IM,IV,SC	Inj. CEFEVET FORT ...3g,4.5g,7.5g5(dosch) Inj. VETACEF PLUS ...3g,4.5g(provimi) Inj. KEFTAC ...750mg(pharmatec health care)	
9.	Enrofloxacin (100mg/ml) (200mg/ml long acting)	All Animals: 2.5-5mg/ Kg BW short acting	Inj. ENROCIN ...15ml,100ml(Pfizer) Tab. ENROCIN (150mg)...10x10'S(Pfizer) Inj. ENROGIL (10%)...15ml,50ml,100ml(G. loucatose) Inj. ENROGIL (20%)...30ml,50ml (G. loucatose) Inj. K-FLOX (10%)...15ml,30ml,50ml,100ml(KAPL) Inj. ROFLOX (10%)...15ml,100ml(novartis) Liq. MERQUIN ORAL (100mg/ml)-100ml,500ml,5lt.	Acute & chronic Mastitis, RT infection, Pneumonia, H.S., B.Q., Pyometra, Metritis joint ill, Uro genital infection otitis, Brucellosis, Salmonellosis, Colibacillosis , wooden tongue,Pseudomanas, - GIT infection, colisepticemia, Wound. (It is contraindicated in below 1 yr calf It may cause arthropathic effect. GI, CNS disturbances. not recommended in horses)
		All Animals: 7.5 mg/Kg BW IM,IV,SC	Inj. FORTIVIR (10% LA)...30ml(virbac) (Rumi. 3ml/40kg BW)	

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10.	Gentamicin (40mg/ml) (aminoglycoside)	All animal: 4-5mg/kg BW BID IM,IV	Inj. GENTAMICIN 30&100ml.(KAPL,TTK,) Inj. RANBAMYCIN ...100ml Inj. MICROGENTA(80mg/ml)...100ml	UTI, Mastitis, Metritis, Wound infection, Pyometra, Otitis, Pneumonia, Ocular infection, GI infection It is contraindication in pregnancy as it crosses the placental barrier leading to renal impairment and ototoxicity in fetus. Avoid amino glycoside in cow prone to milk fever.
11.	Amikacin (250mg/ml) (aminoglycoside)	D/cat:10 mg/kg BW TID IM,IV, SC.	Inj. TAMIK ...50ml,100ml(TTK) Inj. AMIKIN...30ml,100ml(vetsfarma) Inj. AMIDAC...10ml,50ml,100ml(zydus)	Septicemia, urinary tract infection, burns, post-operative infections, other resistant infections Avoid Amino glycoside in cows prone to milk fever
12.	Kenamicin (aminoglycoside)	C/B:5-10mg/kgBW D/cat: 5mg/kgBW IM,IV	Inj. KANCIN (250mg/ml)...50ml(morvel) Inj. KANCIN...0.5g,1g(alembic)	Mastitis, endometritis, RB (repeat breeding), RTI, calf scours, enteritis, omphalitis. Cochlear and vestibular damage may result due to chronic parental therapy. Avoid amino glycoside in cow prone to milk fever.
13.	Oxytetracycline (50mg/ml 100mg/ml 200mg/ml)	C/B/S/G/H: 5-10 mg/Kg BW/DAY D/cat: 10-20mg/ kg BW OD Long acting C/B : 10 – 20 mg/ kg BW deep IM only	Inj. TERRAMYCIN-(50) ...30ml,100ml(Pfizer) Inj.OTC(50)...30ml,50ml,100ml(zydus) Inj. Oxy-50...30ml,50ml,100ml(vetindia) Inj. Oxy-100...30,100ml(vetindia) Inj. Oxy LA(200)...30ml,50ml,100ml(vetindia) Inj. Oxymor-LA...50ml(morvel) Bol. steclin Bol. OTC(500mg)...10×4'S Liq. OTC HCL(50mg/ml)...60ml(Pfizer) Pow. NEOGEN...50g,100g,500g (OTC 5%w/w+ neomycin sulphate)	H.S., B.Q, Pneumonia, Anthrax Brucellosis, genito urinary tract infection. Mastitis, Strangles, Enteritis, Swine erysipelas, Leptospirosis RTI. Intra articular injection are contraindication avoid OTC administration in pup's and pregnant animal.

Sr. no.	Name of Drugs	Dose	(trade name)TN. With presentation	Indications/MOA/precaution
14.	Streptomycin (aminoglycoside) +penicillin (B-lactum)	LA: 2 ml/ 50 kg BW SA: 1 ml/ 5 kg BW IM only	Inj. DICRYSTICIN-DS ...2.5g,5g(zydus) (procaine penicillin G 15Lac,penicillin G sodium 5lac,streptomycine sulphate 2.5g)/2.5g vial Inj. PENSBIOTIC MD...2.5g(KAPL)	H.S., abortion Salmonella, Bovine T.B., Brucellosis, Actinomycosis, Actinobacillosis, leptospirosis. - Mixed bacterial infections caused by gram +ve and -Ve organisms Avoid amino glycoside cow prone to milk fever and it's also affect the 8th cranial nerve of the fetus especially in cattle.
15.	Sulphonamide + trimethoprim	LA: 15 – 30 mg/kg BW D. 15 mg / kg BW IM, IV, PO.	Inj. ORIPRIM ...30ml(zydus) (sulphamethoxazole400mg+trim 80mg)/5ml Bol. ORIPRIM (Sulpha2g+trim400mg)...4'S Inj. BACTRIDOX ...30ml(Pfizer) (sulphamethoxazole400mg+trim80mg)/ml Inj. BIOSULPHA-IM...10ml,30ml,(vetindia) (sulphadizine400mg+trim80mg)/ml Bol. BIOSULPHA-DS...2.4g(vetindia) (sulphadizine2g+trim400mg) Inj. BIOTRIM-IV,IM...30ml(Pfizer) (sulphadizine400mg+trim80mg)/ml Bol. PABADINE (sulphadimidine 5g)...4'S	All animals and poultry mixed bact. infection, RTI, UTI and GIT infection Prolonged treatment show idiosyncratic Thrombocytopenia, Keratoconjunctivitis & transient arthritis (particularly in Doberman pinschers) in dogs. Cats may Salivation on oral give.
16.	Levofloxacin (100mg/ml)	C:1.5mg/kgBW BID IM 5mg/kg BW OD IV.	Inj. MERIFLOX ...15ml(vetoquinol) Soln. MERIFLOX...100ml,1 lit(vetoquinol) Inj. LIVOCIN...100ml(vet's pharma) Pow. LIVOCIN...100g(vet's pharma)	Skin, Soft tissue infections, G.I tract infections, RTI.
17.	Ceftiofur sodium	C/S/G:1.1-2.2 mg/kg BW IM,SC H:2.2-4.4 mg/kg BW IM D:2.2mg/kg BW ONLY SC	Inj. XYROFUR ...1g(virbac) Inj. BOVICEF...500mg,1g(Indian immunology) Inj. XNEL ... 1g,4g(Pfizer)	RTI, urinary tract prophylaxis, and therapy in surgery. Avoid use in penicillin hypersensitive animal as cross resistance between cephalosporin and penicillin has been observed. The safety of ceftiofur has not been determined for horse intended for breeding.

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18.	Ciprofloxacin	D/cat: 5-15mg/kg BW C/S: 4-5 mg/kg BW IM,IV,PO	Inj. C-FLOX(40mg/ml)...50ml(intas) Tab. C-FLOX-TZ ...10's(intas) (cipro250mg+tinidazole 300mg) Bol. C-FLOX-TZ ...2's(intas) (cipro1500mg+tinidazole 1800mg) Pow. CIPROGEN(10%)...15,50,100,500g,1kg	URTI, G.I. infections, anthrax, enterotoxaemia, mastitis, septic arthritis, uterine infections,UTI, meningitis. H: Glasser's disease. D/cat:-RTI, GI infections, UTI, skin & bone infections.
19.	Cefixime (cephalosporine)	D/cat:10mg/kg BW PO BID	Tab. CEFTAS (100,200mg)...10's(intas) Tab. CEFTAS(400mg)...5's(intas) Tab. CEFIX(100mg)...10's(cipla) Tab. CEFIX(200mg)...4's(cipla) Susp. CEFSPAN(100mg/5ml)...30ml(GSK)	Respiratory tract infection, urinary tract infection, localizes infection in skin and soft tissue, intra abdominal infections. Avoid use in penicillin hypersensitive animals as cross resistant between cephalosporin and penicillin has been observed
20.	Cefotaxime (cephalosporine)	D/cat: 25-50 mg/kg BW/day as a divided dose IM,IV	Inj. TAXIM (125,250mg,0.5,1,2g)...(alkem) Inj. LYFOVET(2,4g)...(lyka)	RTI,UTI(urinary tract infection),localize infection in skin and soft tissues, intr abdominal infection, tuberculosis. Avoid use in penicillin hypersensitive animals as cross resistant between cephalosporin and penicillin has been observed
21.	Clindamycin	D/cat: 11mg/kg BW OD toxoplasmosis 25mg/kg BW OD in divided doses	SOLN: CLINVET(25mg/ml)...20ml(cipla) Tab: CLINDAPET (300mg)...6's(dosch) Caps: CLINSOF(150,300mg)...4's(east wast)	Bone and joint infection, pyoderma, toxoplasmosis And oral cavity infections. Lincosamides should be avoided in rabbits, chinchillas and hamster.
22.	Cefquinome (25mg/ml)	C: 1mg/kg BW IM Calf:2mg/kg BW IM	Inj. COBACTAN 2.5%50ml(MSD)	RTI,digital dermatitis, infectious necrosis,acute inter digital necrobacillosis, coliform mastitis, E.coli septicaemia in calf. Avoid use with penicilline

Non Steroidal anti inflammatory Drugs

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	Analgin (500 mg/ml)	C : 10 – 20 g(TD) H : 10 – 30 g(TD) S/G : 1 – 4 g(TD) D/cat : 0.5 – 2.5 g(TD) Foal,Calf:2.5 – 7.5 g IM,IV	Inj. VETALGIN ...33ml(MSD) Inj. VETALGIN...30ml(KAPL) Inj. MORPIN-VET...30ml(morvel) Inj. ESGIPYRIN-N...5×5ml(zydus) IM ONLY (analgin0.75g,phenylbutazone0.75g,lignocain HCL0.05g)/5ml	Pain, Fever, rheumatoid conditions, Spastic condition, Colic & other inflammatory condition Hyper sensitivity reaction may occur.
2.	Ketoprofen (100mg/ml)	C/S/G : 3 mg/kg BW D : 2 mg/kg BW H:2.2mg/kg BW IM,IV	Inj. KETOP ...15,100ml(alembic) Inj. KETONIT ...100ml Inj. KETOPROFEN...100ml Inj. NEOPROFEN...100ml(Pfizer)	Symptomatic relief of pain, Pyrexia & inflammation of musculo Skeletal Origin At high concentrate it may cause irritation, bleeding or ulceration of gastric mucosa. Contraindications in kidney failure not use to combine with diuretic and anticoagulant.
3.	Meloxicam (5mg/ml)	C/S/G/D/H:0.5mg/kg (Pneumonia&Proleps) other condition: C/S/G/D/H: 0.2 – 0.3 mg/kg BW D:0.2 mg/kg IV,IM,SC,PO	Inj. MELONEX ...2,15,30,100ml(intas) Bol. MELONEX...4'S(intas) Inj. MELONEX POWER(20mg/ml)..10,30,100ml Inj. ZOBID -20 (20mg/ml).....10,30,100ml(zydus) Inj. ZOBID -M...15,30,100ml(zydus) Bol. ZOBID...4'S(zydus) SUSP.MELONEX ORAL(1.5mg/ml)...10ml(intas)	Pneumonia, Prolapse, Pleuritis, Mastitis, Laminitis, myositis, arthritis, Surgical intervention, otitis, Premature labour Do not use in animals suffering from gastro – intestinal disorder, impaired hepatic, cardiac or where there is an evidence of individual hyper Sensitivity to the drugs
4.	Meloxicam Paracetamol	<u>As Analgesic</u> C/B:18ml/300 kg BW Calf/S/G:1ml/10kg BW H:30ml/250 kg BW <u>As antipyretic</u> 30ml/300kg BW	Inj. MELOBEST-P ...15,30,100ml(TTK) (Meloxicam 5mg,paracetamol 1500mg)/ml Bol. MELOBEST-P...5×4'S(TTK) (Meloxicam 100mg,paracetamol 1500mg)/ml Bol. PROXYVET-MP ...10×2'S(vetoquinol) Bol. TASPIN-MP ...5×4'S(KAPL) (Meloxicam 100mg,paracetamol 1500mg)/ml	

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5.	(phenyl butazone 200mg, sodium salicylate 20mg)/ml	D: 22mg/kg BW TD C/B :1-5 mg / kg BW LA.10-20ml IM	Inj. ARTISON-S ...30,100ml(vetnex) Inj. SALPHEN...30,100ml(vetindia) Inj. CIPIZON...30ml(cipla)	Pyrexia, Symptomatic treatment of inflammatory & painful condition of muscle, bone & joints Contraindicated in cats due to high toxicity. Accidental injection to carotid artery result in excitement prostration & Sometime death.
6.	Tolfenamic acid (40mg/ml)	LA: 2-4mg/kg BW D/C: 4 mg/kg BW IM,IV,SC	Inj. ALETOL ...30,100ml(alembic) Inj. MAXXTOL ...10,30,100ml(intas) Bol. MAXXTOL(500mg)...4's(intas)	Inflammation and pain associated with osteoarthritis, Mastitis and other inflammatory condition. Contra indicated for gastric ulceration, renal disease and concurrent use of steroids.
7.	Nimesulide (100mg/ml)	C/B/S/G:2-4mg/kg BW D/cat :3-5mg/kg BW PO,IM	Inj. NIMOVET ...15,50,90ml Bol. NIMOVET-DS(1000)..10x4'S Inj. OXALGIN-NP...15,50ml(zydus) Bol. OXALGIN-NP ...4's(LA:2-4boli daily) (NMS 400mg+PCM 1500mg)/bol Tab. NIMOTAS(50mg)...10 SUSP. NIMOTAS(50mg/ml)...60ml	Symptomatic relief of pain pyrexia and inflammation of musculo skeletal origin, post surgical inflammatory condition. Use with caution in pregnancy. No sufficient data available in horse.
8.	Flunixin megludine (83mg=50mg)	H: 1.1mg/kg BW. 1ml/45kg BW D: 1mg/kg BW 1ml/50kg BW C/S/G/Camel: 1.1-2.2mg/kg BW 1-2ml/45kg BW Slow IV,IM	Inj. FLUNIMEG ...2,10,20,30ml(zydus) Inj. MEGLUDYNE...20ml(virbac)	Pyrexia and inflammation associated with mastitis, metritis, pneumonia (bovine respiratory disease) and endotoxemia (septicemia) calves to control pain and inflation associated with dehorning and castration. Horse inflammatory condition and pain associated with musculo skeletal disorder. Control visceral pain like colic.

Steroidal anti inflammatory drugs (SAIDS)

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	dexamethasone (glucocorticoid)	Total dose Cattle : 10 – 30 mg Calf/G/S :2-5 mg Dog : 0.5 – 2 mg Cat : 0.25 – 0.5 mg for induction of parturition LA:40mg	Inj. DEXONA(4.4mg/ml)...5ml(zydus) Tab. DEXONA(0.5mg)...10'S(zydus) Inj. DEXAMETHASONE(4mg/ml)..5ml Inj. GOLDEX(4mg/ml).10,30ml Inj. MORDEX(4mg/ml)...10ml	Acute inflammation bursitis, tendinitis, arthritis, allergic skin disease, hyper sensitivity reaction, shock, toxemia, stress from trauma, ketosis ophthalmic inflammatory conditions Avoid use in late pregnancy recent major surgery, deep corneal ulceration diabetes mellitus cardiac in insufficiency of renal diseases.
2.	Triamcinolone (glucocorticoid)	C/H/D:10-20mg(TD) D: 0.5mg/kg PO BID/TID	inj. VETALOG (6mg/ml)...5ml(zydus) tab. KENACORT(4mg)...10'S(AHPL) inj. KENACORT(10mg/ml)...1ml(AHPL) inj. KENACORT(40mg/ml)...1ml(AHPL)	Arthritis, tendocynovitis, myositis, bovine ketosis, and other inflammatory condition. Pregnancy, glaucoma, cardiac insufficiency, osteoporosis, diabetes mellitus, renal disease.
3.	Betamethasone (glucocorticoid)	Total dose (IM,IV) C : 10 – 30 mg Calf/G/S :2 – 5 mg Dog : 0.5 – 2 mg Cat : 0.25 – 0.5 mg	Inj. BETAVET (4mg/ml)...5ml(tineta) Inj. BETNESOL(4mg/ml)...1ml(GSK) Inj. BETAZON(4mg)...5ml tab. BETNESOL(0.5mg)...10's(GSK) tab. BETNESOL FORT(1mg)...10's	Pregnancy toxemia induction of Parturition and ketosis Avoid in late pregnancy, recent major surgery, deep Corneal ulceration diabetes mellitus cardiac insufficiency and renal diseases.

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
4.	prednisolone (10mg/ml) (Glucocorticoid)	C/H: 10-20 ml T.D. Calf :2.5 – 5 ml (T.D.) D/cat:1-3ml (T.D.) <u>Local treatment</u> LA. 2.5 – 7.5 ml (T.D.) D/C : 0.5 – 2 ml (T.D.) CANINE ATROPY, CONTACT ALLERGY, FLEA ALLERGY D:0.5mg/ kg BW BID PO for 5 – 10 days. URETHRITIS,PERSISTENT HAEMATURIA Cat:2.5 -5mg in every 24- 48 hrs PO	Inj. PREDNISOLONE ...10ml Inj. PREDNISOLONE...10ml(MSD) Inj. SOLON...10ml tab. WYSONE	Arthritis, myositis, tendinitis, bursitis, inflammations, allergic bronchitis, asthma, Food allergy. -Hydrocephalus, atropy, contact & food allergy. Urethritis, Persistent haematuria. Glaucoma, Pregnancy, degenerative, joint disease, osteoporosis, fracture, diabetes Mellitus, infections renal disease.
5.	isoflupredone (2mg/ml) (glucocorticoid)	C/B:10-20 mg H: 5-20mg (TD) Intrasynoveal 5-20mg TD	Inj. ISOFLUD ...5,10ml(zydus)	Bovine ketosis, lameness and same as above. In late pregnancy it may induce parturition.
6.	Methyl prednisolone sodium succinate (corticosteroid)	D: 30mg/kg BW and repeat at 15mg/kg BW in 2-6hrs IV	Inj. SOLU-MEDROL (500mg)...4,8ml Inj. SOLU-MEDROL (1g)...8ml,16ml Inj. SOLU-MEDROL (2g)...30.6ml	Shock CNS trauma
7.	Methyl prednisolone acetate (corticosteroid)	D: 1 mg / kg BW every 1- 3 wks IM cat :10 – 20 mg/cat every 1- 3 weeks IM	Inj. DEPO-MEDROL (40mg/ml).1,2,5ml	(intralesional) therapy intra articular therapy inflammatory conditions. Use of methyl prednisolone is carefully b/c once gluco corticoid effect occurs that persist several days to wks.

ANTI HISTAMINIC DRUGS

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	Chlorpheniramine maleate (10mg/ml)	C: 30-50 mg (T.D.) D: 0.4-2 mg/ kg B.W BID IM ONLY	Inj. ANISTAMIN ...50,100ml...(intas) Inj. CADISTINE ...30,100ml(zydus) Inj. HISTANIL ...10.30,100(Vetindia) Inj. ZEET ...30,100ml(alembic) Inj. HEKON ...100ml	Allergic disorders like eczema, urticaria, skin oedema, photo dermatitis, rhinitis, pregnancy toxemia, RFM, Mastitis, burs, and anaphylactic shock and reaction, insect bites, stomatitis, serum sickness, laminitis, rumen atony in cattle. Sedation, CNS excitement. GI disturbances, teratogenic effects are the side effects that may occur.
2.	Pheniramine maleate (22.75mg/ml)	LA: 5-10 ml SA: 0.5-1 ml IM	Inj. AVILIN VET ...10,33ML (MSD) Inj. HISLOC ...30,100ml(cadila) Inj. ALERT VET ...30,100ml(morvel)	Indication same as above Precaution same as above
3.	cyproheptadine	D/C:0.1-0.5mg/kg BW BID or TID PO	Syp. ADD APP (2mg/5ml)...200ml(cadila) Syp. STIMULE-G (2mg/5ml)...200ml(saga lab) Syp. PELLER (2mg/5ml)...200ml(active HC)	Allergic disorder. Use with caution in urinary retention, angle closer glaucoma, pyloroduodenal obstruction
4.	Diphenhydramine	C/B:0.25-0.5mg/kg BW D/cat:1-2mg/kg BW	Cap. BENADRYL (25mg)...10'S(J&J) Syp. BENADRYL (12.5mg/ml)...100ml(J&J)	Allergic reaction like eczema, pruritis, dermatitis, urticaria, skin oedema, allergic RTI, cough. Sedation, CNS excitement, GI disturbance, teratogenic effect.

ANTACIDS

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	Pantoprazole (proton pump inhibitor)	D: 0.5-1.5mg/kg BW Cat:0.75-1mg/kg BW OD	Inj. PENTOCID IV -40mg(sun pharma) Inj. Panomp (40mg/ml) Inj. Pentab 40	Gastric and duodenal ulcers, Erosive Gastritis, oesophagitis, hypersecretory conditions
2.	Omeprazole (proton pump inhibitor)	D:0.5-1.5mg/kg BW OD IV Cat:0.75-1mg/kg BW OD IV&PO	Inj. OCID-40 ...1vial(zydus) Tab. OMETAB(10,20mg)...10(intas) Tab. OMEZ ...40mg(dr reddy's)	Gastric & Duodenal ulcers, Erosive Gastritis, oesophagitis, Hyper secretion conditions
3.	Ranitidine	D/cat: 0.5mg/kg BW PO,IM,IV,SC	Inj. RANTAC (50mg/ml)...5ml Tab. RANTAC(150mg,300mg)...10 Inj. ACILOC(25mg/ml)...2ml(cadila) tab. ACILOC (150mg,300mg...15'S(cadila) inj. HISTAC(50mg/2ml)...10×2ampule tab. HISTAC(150mg,300mg)...10'S inj. R-LOC(50mg/ml)...2ml(zydus)	Gastritis, Gastric / Duodenal ulcers Avoid use in pregnancy, lactation, Renal disorders
4.	sucralfate (cytoprotetant)	D/cat:1g BID/TID PO	Tab. SUCRASE (1g)...4'S(zydus) Syp. SPARACID(1g/5ml)...100ml(dr.reddy) Susp. DIGENE GEL...170ml,400ml(Abbott)	Gastritis, gastric/duodenal ulcers Avoid use in neonate, pregnancy, lactation, Renal disorders
5.	Aluminium hydroxide	D/cat: 10-30mg/kg BW TID,QID PO	Susp: GELUSIL-MPS...170,400ml(pfizer) Susp. MUCAINE...200ml(wyeth)	Gastritis gastric ulcer

ANTI EMETICS

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	Metoclopramide	D/cat: 0.2-0.4mg/kg BW PO 0.01-0.2mg/kg BW SC	Inj. PERINORM (5mg/ml)...2ml (IPCA). Inj. PERINORM(5mg/5ml)...10ml(IPCA) Tab. PERINORM(10mg)...10'S(IPCA) Liq. PERINORM(5mg/5ml)...30ml(IPCA) Inj. EMENIL(5mg/ml)...10ml(aestra Zeneca) Tab. EMENIL(10mg)...10's(aestra Zeneca)	Vomiting due to Gastritis, esophageal reflux, impaction Rest lessens, excitement, extra pyramidal symptoms in young ones.
2.	ondansetron	D/cat:0.5mg/kg BW IV followed by 0.5 mg / kg BW/hr infusion for 6 hrs. 0.5-1mg/kg BW BID PO	Inj. EMESET (2mg/ml)...2ml,4ml(cipla) Tab. EMESET(4mg,8mg)...10(cipla) Syp. EMESET(2mg/5ml)...30ml(cipla) Inj. ZONDAN(2mg/ml)...2ml,4ml(zydus) Tab. ZONDAN(4mg,8mg)...6(zydus) Inj. VOMIKIND(2mg/ml)...2,10ml(mankind) syp. VOMIKIND(2mg/5ml)..30ml(mankind)	Vomiting due to Gastritis, impaction, parvo virus, hepatic lipidosis
3.	Dicyclomin HCL (anti spasmodic)	C/B/S/G/H: 0.5mg/kg bw D: 0.1mg/kg bw TID IM	Inj. SPASMOVET (10mg/ml)...30ml Inj. MORGAN VET(10mg/ml)...30ml(morvel) Inj. RIDALPIN(10mg/ml)...30ml(KAPL) Inj. CYDIC(30mg/ml)...30ml(vetindia) Inj. SPAS(10mg/ml)...30ml(G. loucatos)	Instestinal and abdominal colic, colic pain due to abdominal diarrhea and abdominal pain,irritable bowel syndrome. Avoid use in neonates, young one, old and convulsant animal,urinary retention,pyloric/duodenal obstruction

ANTI PROTOZOALS

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	Buparavaquone	C/B : 2.5 mg / kg BW IM ONLY	Inj. BUTALEX (50mg/ml)...20ml(zydus) Inj. BUTAWOCK(50mg/ml)..20ml(vetoquinol) Inj. ZUBION (50mg/ml)...20ml(intas)	Theileriosis Avoid IV, SC administration.
2.	(Diminazine aceturate 70mg, phenazone 375mg)/ml	<u>For babesiosis</u> 1 ml/ 10 – 20 kg BW IM or 3.5-7mg/kg BW IM <u>For trypanosomiasis</u> 8-16mg/kg BW IM	Inj. BERENIL RTU ...20ml,30ml,90ml(MSD) Inj. DIMINAGIL...30ml,100ml(G LOUCATOS) Inj. NILBERY...30ml,90ml(intas) Inj. DIMEZ-RTU ...90ml	Babesiosis,, trypanosomiasis Local reaction may occur at the site of injection, especially in horse. Total dose should not exceed 9 g/ animal / day. Contra indicates in camels.
3.	Isometamidium chloride HCL (250mg/vial)	0.5- 1 mg/ kg BW IM ONLY Dissolve in 25-30ml of water	Inj. SURRAL ...250mg+25ml water(alembic) Inj. NYZOM...250mg+25ml water (intas)	Trypanosomiasis For treatment: 0.5mg/kg BW deep IM For prevention: 1mg/kg BW deep IM
4.	Quinapyramine sulphate 1.5g, quinapyramine chloride 1g	Animals 0.025 ml / kg BW (After adding 15 ml water for inj.) or 4.4mg/kg BW SC(Antracid) Sulphate absorbed rapidly and chloride absorbed slowly	Inj. TRIQUIN ...2.5g(vetoquinol) Inj. ANTRICID...2.5g(virbac) Inj. TRIQUIN-S...2g(vetoquinol) quinapyramine sulphate 2g @5mg/kg BW SC Drug give immunity up to 60 day with treatment	Trypanosomiasis, Surra Transient salivation, restlessness & Muscular tremors may be observed for a short period. Massage the site of injection to reduce local tissue damage. Over dosage may cause trembling, sweating & Salivation.
5.	Lithium antimony thiomalate (6%w/v)	Nasal Granaloma, Papilomatosis: 15 – 20 ml Filariasis , Leshmaniasis 1 – 2.5 ml on alternate day	Inj. ANTHIOMALINE...50ml(novartis) Inj. LITHIOVET ...50ml(vetindia)	Lithium Antimony thiomalate is an organic compound of which is effective in therapy for nasal granuloma, papillomatosis in animal & heamo parasitic conditions in canines.
6.	Di ethyl carbamazine (anti filarial drug)	D: 6.6mg/kg/day for 3-4 wks PO	Tab. BANOCIDE (50,100mg)...10's(GSK) syp. BANOCIDE(120mg/5ml)...100ml(GSK) tab. HETRAZAN(50,100mg)...10's(Cyanamid) syp. HETRAZAN(120mg/5ml)...114ml	anti filarial drug canine heart worm disease(dirofilariasis)

DIURETICS

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	Frusemide/ Furosemide (loop diuretic)	D/cat: 2-4mg/ kg BW BID C: 1-2 mg/kg BW IM,IV,PO	Inj. LASIX (10mg/ml)...2ml,15ml Tab. LASIX(40mg)... 25×10 Tab. LASIX(500mg)...10'S Inj. RIDEMA (50mg/ml)...10ml Inj. REMOT VET(50mg/ml)...10ml(morvel)	Acute pulmonary edema, cerebral edema, ascites, CHF, Post-Parturient edema Deafness is an adverse effect peculiar to loop diuretics. This tendency for ototoxicity contra indicates concurrent therapy with aminoglycoside antibiotics.
2.	Spironolactone	D/cat:1-2mg/kg BW BID PO	Tab. ALDACTONE(25,50,100mg)...10'S	Acute pulmonary edema, CHF, cerebral edema, ascites. Avoid use in Renal failure, metabolic acidosis, and diabetes mellitus.
3.	manitol	D/cat: 1-2ml/kg BW IV	Inj. KARTOL(5%)...100,ml(molekule) Inj.M-20(20g/5ml)...350ml	Manitol is a osmotic diuretic given to reduce intra cranial or intra ocular pressure associated with cerebral oedema in condition like polioencephalomalacia, glaucoma and toxicity.

ANTI PARASITICS

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	IVERMECTIN (10mg/ml)	C/S/G/H/D: 0.2 mg/kg BW or 1 ml/ 50 kg B.W SC ONLY	Inj. HITEK...1,10,30ml(virbac) Bol. HITEK(80mg)...1(virbac) Pow. HITEK...10×100g,200×5g,1kg(virbac) Inj. IVECTIN...1,7,10,50ml(Indian immunology) Tab. IVECTIN(10mg)...1(Indian immunology) Bol. IVECTIN(80mg)...1(Indian immunology) Inj. NEOMEK ...1,7,10,20,50ml(intas) Tab. NEOMEK(10mg)...5'S(intas) Inj. TRUMETIN...1,10ml(zydus) Inj. DORAMECTIN ...20,50ml(Pfizer)	Nematodal infections, (gastro intestinal nematodes, eye worms lung worms), ecto parasite like tick, lice, mite and nasal bots in sheep and goat, cutaneous myiasis larval stage of canine heart worm disease ecto parasite including demodectic mange, cutaneous myiasis In effective against trematodes, cestodal & adult canine heart worms. Toxic to certain breeds of dog I/M and I/V inj should not be given.
		2.5ml/10kg BW PO	Liq. HITEK(0.08%w/v)...100ml,500ml,1lit.(virbac) Liq. NEOMEK(0.08w/v)...100,500ml,1lit.(intas)	
2.	LEVAMISOLE	Animal – 7.5 mg/kg BW immune Stimulant- 2.5 mg/kg BW Dog : hook worm : 5-8 mg/kg BW once microfilaricidal :10 mg/kg BW ,PO,SC	Inj. LEVAMISOL-75...30ml(zoetis) Inj. KALMISOLE(75mg/ml)...10,30ml(KAPL) Tab. KALMISOLE(150mg)...4'S(KAPL) Bol. KALMISOL (150mg)..2'S(KAPL) Pow. KALMISOL(30%W/V)...50,250g,1kg(KAPL) Liq. HELINO...250,500ml PO1ml/5kg.(intas) (LEVAMESOL3.75%W/V, TRICLABENDASOL 5%W/V)	Nematodal infestations, Microfilariasis in dogs. Parental over dosage may be lethal, even death results. Oral over dosage may produce nervous symptoms.

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
3.	piperazine	Calf/H:200-300mg/kg BW(calf:20-30ml PO) C/H: (100ml PO) D/cat:100-200mg/kg BW(2-5ml PO) Livestock:5g/24kg BW	Liq. KNOCK-45(45%w/v)...500ml,5lit (zydus) Pow. PIPERAZINE ADIPATE(44.4%w/w)450g(KAPL) Liq. PIPERAZINE (45g/100ml)...30,500ml,5lit	Intestinal nematodiasis. Over dosage occasionally produce emesis (in dog and cat) diarrhea, Inco-ordination, head pressing and other neurological signs.
4.	Albendasole SUSP- 2.5%w/v (25mg/ml)	C/S/H/G:5-10mg/kg BW PO Single dose D/cat:25-50mg/kg BW PO for 3-5 day <u>For flukes</u> :15-20mg/kg BW single dose	Susp. ALBOMAR ...30,60,90,500ml(virbac) Tab. ALBOMAR(150mg)...10×10'S(virbac) Bol. ALBOMAR(1.5g)...2'S(virbac) Susp. A-ZOLE...30,60,90,500ml,1lit,5lit.(vetindia) Bol. A-ZOLE(1.5g)...2×5'S.(vetindia) Bol. SUPRAZOLE(3g)...1'S(Pfizer) Susp. SUPRAZOLE(25mg/ml)...30ml(Pfizer) Bol. ALBECTIN...1'S(Ashish maxvet) (ALBENDASOLE-3g,ivermectine100mg)	Nematodal, cestodal, trematodal infestation(both adult and larva stage) Avoid administration of albendasole during first trimester of pregnancy as it may be embryo toxic and teratogenic.
5.	Fenbendasole Bol. 1.5g,3g Susp.2.5%w/v (25mg/ml)	C/S/G/H:5-7.5mg/kg BW PO single dose D:50mg/kg BW for 3day's PO CAT: 30mg/kg BW for 3day's PO	Bol. PANACUR (1.5g)...5×2'S(MSD) Bol. PANACUR (3g)...10'S(MSD) Susp. PANACUR (2.5%w/v)...90,450ml,1lit.(MSD) Bol. FENTAS (1.5g)...4'S(intas) Bol. FENTAS(3g)...1'S(intas) Pow. FENTAS(25%w/w)...120g(intas) Susp. FENZOL(2.5%w/v)...100,500ml,1lit	Nematodal, cestodal, trematodal infestation(both adult and larva stage)
6.	Mebendazole	C/S/G/H:10-15mg/kg BW for 3 days D/cat:22 mg/kg BW For 3 days PO	Pow. MEBENDASOL (500mg/5g)..500g(vetsfarma) Pow. WORMIN (500mg/g)...50g(cadila) Bol. ROBENDEL(500mg)...5×4'S(TTK) Pow. KALMEBEN-(50%w/w)...50g(KAPL) Pow. ZODEX(500mg/5g)...100,500g(concept)	Nematodal and cestodal infestation (both adult and larval stages.)

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
7.	praziquantal	D/cat :5-7.5mg/kg BW PO	Tab. EAZYPET ..2'S,10'S(D/cat1tab/10kg BW) (praziquantel50mg,pyrantel pamoate144mg,febendazole500mg)/tab Tab. FENTAS PLUS ...6'S(intas) (febendazole150mg,praziquante50mg)/tab -D/cat 1tab/10kg BW -calf/S/G:1tab/30kg BW PO Susp. FENTAS PLUS...100,500ml,1lit(intas) (febendazole1.5%, praziquante0.5%) -Small ruminants:1ml/3kg BW PO Bol. PRAZIPLUS10'S (praziquantel25mg,albendazole300mg) D/cat:1 bol/10kg BW PO	Cestode infestations (Both adult & larval stages) Avoid usage in puppies or kitten below one month of age. Occasional vomiting is seen in some animals.
8.	Metronidazole	D:25-50mg/kg BW/day in divided doses PO 20 mg/kg BW/day in divided doses, IV C:20 mg/kg BW/day in divided doses, IV	Inj. METROGLY (500mg)...100ml(JB chemical) Tab. METROGLY(200,400mg)...10'S(JB chemical) Susp. METROGLY(200mg/5ml)...30ml,60ml Tab. DEPENDAL-M...10'S (D/cat- 1tab TID) (Metronidazole 300mg,Furazolidone 100mg)	Intestinal amoebiasis, trichomoniasis, giardiasis, gingivitis, empyema, <i>Balantidium</i> infections and other anaerobic bacterial infections. Brown discoloration of urine commonly observed is due to pigmented active metabolite of Metronidazole and of no clinical importance. Avoid use in pregnancy. Higher doses may cause neurological distribution.
9.	CLOSENTAL	C/S/G: 7.5-10mg/kg BW	Liq. VETCLOS (15%w/v)...30,100,500ml(vetindia)	Nematodal infestation,fluks,cestodal infestation and ectoparasites.

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
10.	oxyclozanide	C/B:10-15mg/kg BW S/G: 15 mg/kg BW Dose can be increase up to 3 time in acute cases PO	Liq. ELMOUT ...1,5lit(1ml/2kg b wt)(tineta) (oxyclozanide3%w/v,levamisol1.5%w/v) Bol. ELMOUT ...6g (tineta) (oxyclozanide 6g,levamisol 2g) Tab. DISTODIN(200mg)...10's(Pfizer) Bol. DISTODIN(1g)...4's(Pfizer) Bol. NEOZIDE(1g)...4's(intas) liq. NEOZIDE(3.4%w/v)...90ml,1lit(intas)	Fasciolosis, amphistomosis, moneziasis. Over dose may causes toxic sign like slight depression, inappetance and softening of feaces
11.	Tinidazole	D/CAT:30-50mg/kg BW/day in divided doses PO	Tab. FASAGYN (500mg)...4'S (Pfizer) Tab. FASAGYN (1g)...2'S (Pfizer) Tab. TINIBA (300mg,500mg,1g)...10'S (Zydus) Tab. C-FLOX-TZ ...10'S (Intas) Bol. C-FLOX-TZ ...2'S (Intas) (L.A:1-2 boli OD for 3-5 days/S.A:1 tab/15-25kgBW) (Cipro250mg,Tind 1800mg) Susp. CEFLOX-TZ VET...60ml(Ethicare) (Cipro125mg,Tind 150mg)/5ml Bol. CEFLOX-TZ VET...2'S(Ethicare) (Cipro1500mg,Tind 1800mg)	Intestinal amoebiasis trichomoniasis, giardiasis, gingivitis, empyema, <i>balantidium</i> infection and other anaerobic bacterial infections. Avoid use in pregnancy. Higher doses may causes neurological disturbance

HEMOSTATICS/COAGULANTS

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	Adrenochrom monosemi carbazone	C/B : 20-25mg (TD) D : 5-10mg(TD)	Inj. ADCHROM (5mg/ml)...10ml(G.loucatos) Inj. CHROM (5mg/ml)...10,30ml...(morvel) Inj. STEADREAN VET...30ml	Pre or post- operative hemorrhages, haemagalactia, hemorrhage of various origin Hyper sensitivity reaction may be seen.
2.	Ethamsylate / cyclonamine	C/D/cat:250-500mg QID IM,IV	Inj. M-Bloc (125mg/ml)...20ml(tineta) Inj. ETHAKLOT(125mg/ml)...2ml(Cosmo HC) Tab. ETHAMCIP(250mg,500mg)...10(cipla) Tab. ETAMSAL(500mg)...10's	Pre & post- operative hemorrhage, haemagalactia, hemorrhages of various origin.
3.	Vit-K (100mg/ml)	0.5-2ml/100kg IM,IV	Inj. KAPLIN ...1ml	hemorrhage
4.	IRON (50mg/ml)	5-10ml IM	Inj. IMFERON ...10ml	hemorrhage
5.	Adrenaline (1mg/ml)	8-16ml/100kg IM 4-8ml/100kg IV, apply locally	Inj. Adrenaline...1ml	hemorrhage
6.	Botroclot	Topicaly as per requir	Drops: BOTROCLOT...5ml(jaggat pharma)	To prevent the bleeding externaly
7.	Styplon vet	C/B/camel/H:1-2boli BID PO S/G:half boli BID PO	Bol. STYPLON VET...4's(himalaya)	Epistaxis,haemagalactia,haematemesis, haematuria,G.I.bleeding,uterine bleeding,traumatic/pre and post surgical bleeding

VITAMINS & MINERALS

Sr. No.	Name of Drugs	Dose		Indications	Remarks
1.	VITAMIN B COMPLEX	C/H : 5 – 10 ml OD D/C : 2 – 3 ml OD IM,IV		Inj. NEUROXIN M VET ...10,30,100ml(zydus) (methyl cobalamin 500mcg,B ₆ 50mg, Nicotinamide 50mg)ml Inj. NUROVET ...10,30,50ml(Pfizer) Inj. TRINURON...10,30ml(vetindia) (B ₁ -33mg,B ₆ -33mg,B ₁₂ -333mcg)/ml Inj. MAXI-12 ...30ml Inj. TRIBIVET30,100ml(intas) (B ₁ -50mg,B ₆ -50mg,B ₁₂ -500mcg)/ml Inj. NEUROKIND ...5ml Inj. POLYBION...2ml	Vita- B complex deficiency IV cause anaphylactic reactions. So should be given slowly & / or diluted with IV fluids. Use of large animal products, in small animals may cause toxicity.
2.	Vit-A 2.5lacIU, D₃25000IU,E100IU	Treatment C: 4-6 ml H: 2 ml S: 1 ml Calf: 1-2 ml Foal: 1 ml lamb:0.5ml	prophylactic 6-10ml 4ml 2-4ml 2ml 1ml 3ml	Inj. VETADE ...10ml(zydus) Liq. VIMERAL ...30,60,120,300,500ml(virbac) (LA.10ml,SA.5ml) (A-12000IU,D ₃ -6000IU,E-48mg,B ₁₂ -20mcg)ml Inj. VITACEPT...5ml,10ml(concept) Inj. ADVIT...10ml	Infertility, xerophthalmia, night blindness, keratomalacia, hypovitaminosis A, Stunted growth, muscle dystrophy, repeat breeding, debility.
3.	Calcium	Ca 137.5mg, D ₃ 5000IU, B ₁₂ 50mcg LA. 15ml SA. 5ml		Inj. CAPSOLA45ml (Pfizer) Inj. GILCAL...30ml (G. loucatos) Inj. CALCIVET...30ml(morvel) Inj. SANCAL VET...15,45ml(novartis) Susp. MERICAL...1,5,6lit	As a calcium supplement

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
3.	Phosphorus	L.A. : 2.5 – 5 ml S.A : 1 – 2 ml	Inj. ALPHOS-40 ...30ml(Pfizer) (sodium acid phosphate 400mg equivalent to 79.4 mg of elemental phosphorus)/ml (LA.7.5-10ml,SA.2.5-5ml) Inj. CATOSAL...30,100ml(Bayer) (butaphosphan 0.1g, B ₁₂ 50mcg/ml) C/H:10-25ml, S/G:2.5-8ml, D/cat:0.5-5ml Inj. GOLDIPHOS(20%)...10,30ml Inj. TONOGIL 20%...10,30,100ml (Toldimphos sodium 20%) Inj. T-PHOS...10,30ml(zydus) (LA.2.5-5ml,SA.1-2ml) Inj. URIMIN...10,30ml(virbac)	Rickets, osteomalasia, Stunted growth, pica, debility, dermatological disorders, anoestrus, infertility, calcium – phosphorus imbalance, tetany, paresis, leaky teats, Metabolic disorders.
4.	Belamyl	L.A. : 5 – 10 ml S. A. : 0.25 – 0.5 ml	Inj. BELAMYL ...10,30,50,100ml(zydus)	Animals : Acute & chronic liver disorders, hepatitis, jaundice, fatty liver cirrhosis, hepato toxic condition, aflatoxicosis, toxemia, non-specific anorexia, stress of various etiology

ANTI CANCEROUS DRUGS

Sr. No	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	VINCRIStINE	<u>TVT</u> : 0.025 mg/ kg BW once weekly X 4 <u>thrombocytopenic</u> 0.01 – 0.025 mg / kg in every 7 – 10 days IV	Inj. VCR (1mg/ml)...1ml(intas) Inj. CYTOCRISTIN (1mg/ml)(cipla) Inj. ONCOCRISTIN-AQ(1mg/ml)...1ml	Transmissible venereal tumour, Lympho sarcoma, Immune thrombocytopenia. Vincristine is a local irritant. side effects like peripheral neuropathy, paresthesia, muscle weakness, constipation & alopecia may be seen. (bone marrow depression)
2.	DOXORUBICIN	D: 30 mg/m ² as IV in 150 ml 5% DNS/NS Cat : 90 mg/m ² as IV in 150 ml 5% DNS/NS	Inj. ZODOX(10,50mg)...vial(intas) Inj. ONCODOX(10mg)...5ml(cipla) Inj. ONCODOX(50mg)...25ml(cipla)	Non functional carcinoma lymphosarcoma. Feline mammary cancer It may cause severe bone marrow suppression don't mix with 5 – Fluoracil
3.	CYCLOPHOSPHAMIDE	D: 50mg/m ² (BSA) PO or 2.2mg/kg BW 4day/WK PO 200mg/m ² (BSA) IV or 10 mg/kg BW/WK IV cat: 100mg/m ² (BSA)in 3 WK PO	Inj.ENDOXAN-ASTA..200,500mg,1g(zydus) Tab. ENDOXAN-ASTA(50mg)...10's(zydus) Inj. CYDOXAN...100,200,500mg,1g(alken)	Lympho reticular neoplasia, mammary and pulmonary carcinoma. One of its metabolites-acroline is cytotoxic and may cause sterile necrotizing hemorrhagic cystitis. It is an immunosuppressant.

BSA (in sqm) = $K \times W^{2/3} / 10^4$ where K is constant value for DOG=10.1 and CAT=10. W=wt in gms

REPRODUCTIVE DRUGS

Sr. No	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	GnRHanalouge (0.0042mg/ml)	<u>Anovulation/ Delay ovulation</u> C: 2.5 ml IM, IV. <u>True anoestrus</u> C/H: 5 ml IM, IV. S/G: 1 ml IM, IV. <u>Follicular cyst</u> C: 5 ml IM, IV. H: 10 ml IM, IV.	Inj. RECEPTAL ...2.5,10ml(intervet) Inj. GYNARICH ...5ml(intas)	Anoestrus silent heat an ovulation / Delayed ovulation, follicular cyst Induction of ovulation, improvement of conception rate Do not slaughter the animals for human consumption for 10 days following the injection. Contra indicated in swine.
2.	PMSG (Pregnant Mare Serum Gonado tropine) FOLLINGON ANTIDOTE (Adrenaline)	-C/B: 1500 -3000 IU, as IM/IV inj. estrus result within 2-5 days, If needed repeat in 10 -14 days. -Mare : 3000-6000 IU as IM/SC inj., estrus result within 7 days, May be supported by HCG 500-3000 IU, as IV inj. to induce ovulation -S/G1000 I, (estrus result in 24 hrs. last for 3 days.) -Bitch: 50-200 IU, SC inj. Symptom in 8-10 days. To be continued up to 3 weeks unless symptoms appear.	Inj. FOLLIGON-)(intervet) (1000IU vial+5ml solvent)	True anoestrus inactive ovaries to induce super ovulation of donor cows in embryo Transfer, sub normal estrus non – acceptance In cattle, Mating/ at in the first oestrus may cause Super floatation. Repeated administration may cause Anaphylactic shack.
3.	HCG (LH like activity)	<u>-Repeat Breeding(RB)</u> C/B:1500-3000IU IM on the day of service S/G:200-500IU IM on the day of service <u>-Cystic ovary:</u> C/B/H: 1500-3000IU <u>-delay ovulation:</u> C/B: 1500-3000IU as IM inj. Repeat on day 8 if CL is poorly developed. <u>Early abortion:1500-3000IU/wk for 4 wk</u>	Inj. CHORULON ...1500IU(intervet) Inj. CHORIMON...2000,5000IU Inj.FERTIGYN.1000.2000.5000.10000 IU	Use in an ovulation, delayed ovulation, repeat breeding, early abortion. Countinous administration may causes anti hormone production and anaphylactic reaction

Sr. No	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
4.	Hydroxy progesterone caproat (250mg/ml)	<u>COD</u> C/B : 500 mg <u>Habitual abortion (Late)</u> C/B – 500 mg for 3 days followed by 500 mg / WK <u>Habitual abortion (Early)</u> C/B: 500 mg after 1.5 months of pregnancy. <u>Post Partum Anoestrus</u> C/B : 500 mg	Inj. P-DEPOT ...2,3ml(zydus AHL) Inj. PULP DEPOT ...2,3ml(morvel) Inj. DURAPROGEN...2,3ml(provime)	induction of estrus post partum threatened abortion, habitual abortion, early embryonic death delayed ovulation Prolonged exogenous progesterone -Supportive therapy in cystic ovarian disease administration may cause uterine glandular hyperplasia ,accumulation of fluid in uterus and may lead to endometritis.
5.	Prostagland Cloprostenol sodium 250mcg/ml)	C/B : natural-25mg Synthetic-500mcg Equine – 1 ml(natural)	Inj. LUTALYSE (5mg/ml)...5,10ml Inj. PRAGMA ...2ml(intas) Inj. CLOSTENOL...2ml(zydus AHL) Inj. CYCLIX...2ml(intervet) Inj. VETMATE...2ml,10ml(provimi) Inj. ESTRUMET...20ml	Subestrus luteal cyst, synchronized breeding removal of mummified foetus, chronic endometritis, Pyometra, induction of parturition Contraindication in pregnancy except for termination of pregnancy – Special Warning : keep away from pregnant women, person suffering with asthma or other disease of respiratory tract.
6.	METHYL-ERGOMITRINE	D:0.2mg(TD) PO,IM,IV	Inj. NEXBOLIC (1mg/ml)...5ml(intas) Inj. METERMIN(0.2mg/ml)...1ml Tab. METERMIN(0.125mg)...10'S	Post partum / Post abortal uterine atony, for expulsion of uterine debris and also to induce uterine involution Spasmodic contraction produced by Ergometrine may delay expulsion of foetus, if given in early stages of labor and pregnancy
7.	OXYTOCIN (5unit's/ml)	C/B:70-50IU IM,IV	Inj. PITOCIN...1mlamp(pfizer)	Uterine inertia, dystocia, ROP, uterine proleps

ANAESTHETICS

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	Ketamine	Dog: 5-10 mg/kg BW Cat :11 -33 mg/kg BW G: 22-44 mg/kg BW H: 2.2 mg/kg BW IM,IV Monkey: 6.5-13mg/kg BW IV	Inj. KETMIN (50mg/ml)...2,10ml(themis) Inj. ANEKET(10mg/ml)...10ml(neo labs) Inj. ANEKET(50mg/ml)...2,10ml(neo labs)	immobilization for clinical examinations and surgical procedures In major surgical procedures ketamin should be supplemented with general anesthesia. Contra indicated in head injuries and status epileptics
2.	Triflupromazine	C/B/H: 0.22 -0.33 mg/kg BW IM D: 2-4 mg/kg BW PO I/M 1-2 mg/kg BW I/V CAT:2.2-4.4 mg/kg BW I/M	Inj. SEQUIL (20mg/ml)...5ml(zydus) Inj. SICVEL VET(20mg/ml)...5ml(morvel)	Restrained for clinical or diagnostic procedures, excitement, pre-anesthetic medication It potentiates the effects of other CNS depressants Administration Along with epinephrine is Contra- indicated.
3.	Xylazine (23.32mg=20mg)	H: 0.5-1.1 mg/kg (IV) 1-2 mg/kg (IM) C: 0.03-0.1 mg/kg BW IV G: 0.01 – 0.5 mg/kg BW IV 0.05 – 0.5 mg/kg BW IM D: 0.5 – 1 mg/kg (IV) 1-2 mg/kg (IM) cat: 0.5 – 1 mg/kg IV 1-2 mg/kg IM	Inj. XYLAXIN...2,10,30ml(IIL) Inj. XYLAZINE ... 2,10,30ml(G loucatose)	Sedation, analgesia muscle relaxation, and immobilization of excited animals Contra indicate in obstruction of esophagus, torsion of stomach, hernia in dog, & cat and later stages of pregnancy, false sense of security may result in injury to the personnel as the animal, reacts to any stimulus. it cause ruminal atony bloat regurgitations with aspiration

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
4.	Atropine sulphate (1mg/ml) antidote (Barbiturates)	H: 0.5 mg/kg B.W D : 0.2 mg/kg B.W Cat : 0.3 mg/kg B.W	Inj. ATRA ...10,30ml(Gee vet) Inj. ATROPINESULPHATE ...10,100ml	As pre anesthetic to reduce G.I. hyper Motility, hyper tonicity of uterus, urinary bladder, ureter bile duct & bronchioles. Over dosage may cause atropine poisoning contra- indicated in glaucoma, chronic respiratory disease & pyloric stenosis
5.	THIOPENTAL SODIUM	D : 20 – 30 mg/kg BW as 2.5% solution maximum dose 1.25g C/H:8-15mg/kg BW IV S/G:20-25mg/kg BW IV	Inj. THIOSOL (500mg,1g)(Neon labs) Inj. INTRAVAL SODIUM (500mg, 1g)...50amp	General anesthesia in minor & major surgical procedures, Euthanasia General anesthetic dosage may produce moderate to severe respiratory depression & mild cardiovascular depression. Over dosage paralyzes central respiratory control mechanisms leading to death. Extravasations of drug during I/V administration may cause local tissue damage.
6.	DIAZEPAM Antidote: flumagenil	D/CAT : 0.5 – 1 mg/kg B.W	Inj. CALMPOSE(10mg)...2ml (Ranbaxy) Tab. CALMPOSE(5mg)...10'S Syrup. CALMPOSE(2mg/5ml)...60ml Tab. VALIUM(2,5,10mg)...10'S(AHPL)	Pre anesthetic Intravenous over dosage may produce respiratory arrest.
7.	LIGNO CAINE		Inj. JETLOX (2%)...30ml Inj. MORCAIN ...30ml (Morvel) (Ligno21.33mg,Adrenaline0.01mg)/ml Inj. XYLOCAINE (2%)...100ml	Animals Infiltration anesthesia, surface anesthesia, nerve block, epidural anesthesia, regional anesthesia to facilitate clinical / surgical procedures

ANTI CONVULSANT DRUG'S

Sr. No.	Name of Drugs	Dose	T.N. WITH PRESENTATION	Indications
1.	phenobarbital	D/cat: 1.5-5mg/kg BW BID IV D/cat:1-1.5mg/kg BW IM D/cat:2.2-6.6mg/kg BW PO	Tab. GARDENAL (30,60mg)...20's(AHPL)	Symptomatic or prophylactic control of convulsive seizures, status epilepticus Cat: The only drug of choice in convulsive seizures. Polyphagia, polydipsia, polyuria are the effect. In toy breeds, whining is seen
2.	dizepam	D/cat: 0.5-1mg/kg BW IM,IV	Inj. CALMPOSE(10mg)...2ml(Ranbaxy) Tab. CALMPOSE(5mg)...10's(Ranbaxy) Syp. CALMPOSE(2mg/5ml)...60ml Tab. VALIUM(2,5,10mg)10's(AHPL)	Status epilepticus convulsion due to tremor Intravenous over dose may produce respiratory arrest
3.	carbamazepine	Dog: 4-8mg/kg BW BID PO	Tab. MAZETOL(100,200,400mg)...10's Tab. TEGRETOL(200,400mg)...10's Syp. TEGRETOL(100mg/5ml)...100ml	Limbic or partial seizure activity as a compulsive disorder(like tail chasing or spinning) neuralgic pain
4.	phenytoin	Dog: 8-17.6mg/kg BW TID PO	Inj. EPSOLIN(50mg/ml)...2ml(zydus) Tab. EPSOLIN(100mg)...100's(zydus) Inj. EPTOIN(50mg/ml)...2ml(abbott) Tab. EPTOIN(50mg)...150's(abbott) Tab. EPTOIN(100mg)...100's(abbott)	Status epilepticus Polyphagia,polydipsia,polyuria may be seen. May inhibit insulin secretion. In cat prolong half- life period may lead to cumulation and toxicity hence considered undesirable as an anticonvulsant. Chloramphenicol may augment the phenytoin toxicosis.

FLUID THERAPY

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESENTATION	Indications
1.	DEXTROSE	Dextrose in water 2.5%, 5%, 10%, 25%	Inj. DEXTROSE (5%, 10%, 25%) Inj. WOCKTROSE (25%)(Vetoquinol)	Ketosis, hypoglycemia, weakness cachexia, Improve liver function in case of hepatitis .
2.	NORMAL SALINE	Sodium chloride 0.45%, 0.9%, 5%	Inj. NS...500ml	Dehydration, Vomiting, Anorexia, shock Haemorrhage.
3.	Ringer's Lactate (RL)	Sodium Lactate 0.320g Sodium Chloride 0.600g Potassium chloride 0.040 g Calcium chloride 0.02.7 g	Inj. INTALYTE ...500ml,1000ml(intas) Inj. RINTOS...500ml(vetoquinol) Inj. RL...500ml	Acidosis with Na+ & K+ deficiency Diarrhea, Hypokalemia, Heat stroke.
4.	Calcium Borogluconate (CBG)	Calcium gluconate : 20.80 % Boric acid : 4.25 % Chlorocresol : 0.1 %	Inj. CALBOROL (25%w/v)450,500ml Inj. CALMEX(25%w/v)(Pfizer) Inj. Calcium Borogluconate (vetoquinol) All are available in 450ml	Hypo calcemia. Milk fever, post partum uterine involution, Parturient paresis, Lactation tetany
5.	Calcium Magnesium Borogluconate	Calcium boro gluconate:1.86 % Magnesium hypophosphite : 5%w/v Dextrose anhydrous : 20%w/v	Inj. MIFEX ...350,500ml(novartis) Inj. THIACAL	Complex Milk fever. grass tetany. Neuromuscular disorders.
6.	Plasma expander		Inj. HAEMACCEL ...500ml Inj. HAES-STERIL(3%)...500ml	

Amount of fluid

1. Maintenance Volume for adult 60ml/kg, and for neonate 130ml/kg in all species.
2. Deficit volume (ml) = Estimated percent dehydration × B. WT (kg) × 1000.
3. Ongoing fluid losses = 2ml/kg BW/vomit and 200ml/kg BW/diarrhea.

Estimation of degree of dehydration.

Less than 4% = normal(in significance)
 4%= very mild to moderate
 6%=mild to moderate
 8%=moderate to severe
 10%=severe dehydration
 12%=shock
 More than 12% animal is dying or dead.

VACCINES

Sr. No.	Name of disease against vaccine	Dosage and Administration	Trade name with presentation	Indications
1.	Rabies	All animal: 1 ml SC,IM	Inj. RABIGEN ...1ml,10ml(virbac) Inj. RAKSHARAB...1,5,10ml(IIL) Inj. RABVAC 3...1ml,3ml(pfizer)	Rabies
2.	Canine distemper, canine hepatitis, canine parvo, canine para influenza, leptospira canicola and L. ictero haemorrhagia	Dog: Reconstitute the freeze dried fraction with liquid fraction immediately prior to use (1ml SC) Primary Vaccination: 9-12 weeks Revaccinations :Annually	Inj. CANIGEN – DHPPi/L...1ml(virbac) Inj. NOBIVAC – DHPPi...1ml(MSD)	
3.	VANGUARDS + 5	D: Reconstitute the vaccine with solvent / 1ml water for injection immediately prior to use Regimen: Primary : 6 weeks or above 1 st Booster : 3 weeks after primary 2 nd Booster 3 weeks after 1 st primary Revaccination : Annually		
4.	brucellosis	Cattle/buffalo calf: 2ml PO	Inj. BRUVEX ...5dose+10ml diluent(IIL)	To prevent brucellosis
5.	Tetanus	LA: 5ml SA: 3ml	Inj. TETANUS TOXOID ...0.5,5ml(GSK)	
6.	theileriosis	Cattle calf: 3mlSC Regimen : <u>primary vaccination</u> : 2 month & above <u>Revaccination</u> : every 3yr(if recommended)	Inj. RAKSHAVAC T...5dose+13ml diluent	

BOLUS

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESENTATION	Indications
1.	(Ciprofloxacin 1500 mg, Tinidazole 1800mg)	LA: 1-2 Boli OD For 3 – 5 days S. A. 1 tab/ 15-25 kg BW PO	Bol. C – flox TZ...2'S (INTAS) Tab. C – flox TZ...10'S(INTAS)	Animals: Diarrhoe associated with colibacillosis, salmonellosis, J.D, clostridial infection, endotoxin mastitis, Giardiasis, proteus, pseudomonas & viral infection
2.	(ofloxacin -1g Ornidazole-2.5g)	LA:1 bolus(BID) D/cat: 100 mg/kg BW PO	Bol. Oford...5x4'S (TTK)	Acute & chronic non specific diarrhea
3.	Nimesulide-400 mg Paracetamol -1.5g	LA:2-4 bolus/day SA: 1/2-1 bolus/day	Bol. Oxalgin-NP...4's	Symptomatic relief of pain, pyrexia & inflammation of musculo skeleton origin , post surgical inflammatory conditions
4.	Fenbendazole -3g Ivermectin-100mg	LA.:C/S/G/H/ 5-7.5mg/kg BW single dose. D: 50 mg/kg BW for 3 days Cat : 30mg/kg BW for 3 days	Bol. salfen Forte(3.1g)...1'	Nematodal , cestodal & Trematodal infection (Both adult & larval stage)
5.	Chlorohydroxyquinoline or Halquinol 1.5 gm	C/B: 1-2 Boli BID Calf/S/G/P: ½ -1 boli BID	Bol. 3-CARE(1.5)...60'S (PROVIMI)	Animals Bacterial enteritis, mixed GIT infection, calf scours, coccidiosis.
7.	Levofloxacin 20 mg Ornidazole IP 25 mg & Alpha Tochoferol 5 mg	LA:30-60 ml TD	Inj. Wokadine – IU (vetoquinol)	For treatment prevention and control of infections related to –Pyometra, metritis, endometritis, ROP, Cervicitis & vaginitis Habitual Threatened Abortion, delayed Uterine Involution, prolapse of uterus/ Vagina.

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESENTATION	Indications
8.	Involon	L.A.:1 bolus BID S.A.:1/2 bolus BID	Bol. INVOLON ...6's(natural remedies)	ROP delayed Uterine Involution, as uterine tonic and cleansing agent, repeat breeding, Habitual Threatened Abortion, cervicitis, endometritis, vaginitis,, flushing of lochial discharge`
9.	(Metronidazole 1g Furazolidone 500 mg, loperamide 75 mg)	L. A. 4-8 boli S.A. 2 -4 boli	Bol. PESULIN- MFL ...4'S(cadila)	Use for antidiarrheal agent and anti infective
10.	Seri-D-fort	Aceclofenac 300mg Serratiopeptidase 75mg Paracetamol 1500mg	Bol. SERI-D-FORT ...5x4's(marc India limited)	Anti-inflammatory and antipyretic action
11.	Proactive	C/B:4-6 boli/day	Bol. PROCTIVE ...20x1,30x1,200x1	Use in uterine and vaginal proleps
12.	CYCLOMIN-7	C/B: 1bolus/ wk. (Co-0.056g,Cu-0.7g i- 0.14g Fe-0.14g,Mg-0.56 g Se-4 mg ,Zn-0.28 g)	Bol. CYCLOMIN-7 ...4'S(Pfizer)	Regulation of estrus cycle, improve breeding efficiency, repeat breeding, habitual abortion & to ensure early conception.

TABLETS

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESENTATION	Indications
1.	Cofecu-Plus	(Cobalt, copper, iron, manganese)	Tab. Cofecu-Plus...20'S(Indian herbs)	To Prevent deficiency of minerals
2.	Utrovet	Each tab contain Manjush 100 mg Boli 50 mg Harmala 75 mg Jivanti 100 mg Dhumrapatra 75 mg	Tab. UTROVET...100'S(morvel)(10-0-10) Bol. UTROVET ...10'S(morvel)(1-0-1) Liq. UTROVET ...500ml(morvel)(50-0-50)	For postpartum infections and repeat breeders.
3.	Prajana, Sajani	Herbal Preparation S/G: 2 Cap/ Day C/B/H: 3 cap / day for 4 days. Repeat on 11 th & 12 th day in no estrus	Cap. PRAJANA-HS...6'S,9'S Cap. SAJANI...20'S Cap. JANOVA...6'S Cap. HIMFERTIN...6'S	Infertility, anoestrus, silent heat, delayed puberty and infective conditions like metritis, endometritis, cervicitis, vaginitis,
4.	clomiphene	C/H/S/G:1-1.5mg/kg BW for 5 day D/cat: 25mg/kg BW PO	Tab. FERTIVET(300mg)...5'S(cipla) Tab. FERTOTAB(25,50mg)...10'S(GSK) Tab. FERTY-G(300mg)...5's(geevet)	Anovulatory estrous, repeat breeding, delayed puberty, oestrogen induced tumor.

LIQUIDS

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESENTATION	Indications
1.	Liver tonic	C/H: 50 ml (50-0-50) Calf/foal/S/G: 25ml (25-0-25) D/cat:10 ml (10-0-10) Chicks 10 ml/ 100 birds. Growers, broilers 20ml/100 birds.	Liq. BROTON...120,200,500ml,2,5lit Liq. K- LIVE...100,200,500ml,1lit,5lit(KAPL) Liq. LIVER UP...500ml,5lit(zydus) Liq. LIVOTAS...500ml,1lit(intas) Liq. ZIGBO...300ml,1lit,5lit Liq. Liv-52...100,500,1lit,5lit	Improving milk yield in pregnant and lactation animals, hypocalcaemia, osteomalacia, stunted growth, bone and teeth development
2.	Groviplex	Vit B ₂ - 1.25 mg, D- Panthanol- 0.65 mg. Vit. B ₆ - 0.62 mg. Vit. B ₁₂ – 6.25 mcg. Nicotinamide- 37.5 gm. Choline chloride- 10 g Lysine mono HCl 10 gm / 5ml	Liq. GROVIPLEX...500ml,5lit.(VIRBEC) L.A:100 ml OD SA: 20 ml OD Pigs. 50 ml OD Poultry 15- 20 ml OD	To improve growth and production in birds to improve feed utilization and egg production.
3.	Natcof	Expectorant, mucolytics and anti tussive	C/B/H:30 ml BID S. G. 10 ml BID	Symptomatic treatment of cough due to acute or chronic bronchitis, pneumonia associated with viscid mucous secretion.
4.	Vitamin	Vit. H biotin 12.5 mcg Selenium 6 mcg Vit. E 50 mg Vit. A 20000 IU Vit. D ₃ 10000 IU	Inj. VITUM-H...5,10ml (TINETA) Liq. VITUM-H...100ml,1lit.(TINETA) Inj. VITADE...10ml (ZYDUS) Inj. INTAVITA...10ml (INTAS) Inj. VITACEPT...10ml(CONCEPT)	Helps in strengthening udder tissue and muscle, Prevents mastitis, Improve fertility of breeding bulls.
5.	Ostovet	Liq. (Ca- 1650 mg. P- 580 mg, Vit. D ₃ 800 IU, Vit. B ₁₂ 100 mcg, carbohydrates 40,000 mg)/ 100 ml	Liq. OSTOVET...500ml,1,2,5lit.(VIRBAC) C/H:100 ml OD Calf/S/G:20 ml BID.	Liq. Supp. Of calcium, P, Vit. D ₃ , Vit. B ₁₂ , for animal feeding nutritional value . recommendation for improving milk yield add 300 ml of vimeral in 5 lit jar of ostovet and feed 100 ml of this mix. Daily to all lactating animals

URINARY SYSTEM RELETED DRUG'S

Sr. no.	Name of Drugs	Dose	(trade name)TN. With presentation	Indications/MOA/precaution
1.	Allopurinol	D/cat: 10mg/kg BW TID for 30day PO	Tab. ALORIC...100mg300mg(intas) Tab. ZYLORIC(100,300mg)...10's(GSK)	Uric acid stone(urate urolithiasis) Dose should be gradually tapered before complete withdrawal of the therapy.
2.	Di sodium hydrogen citrate	D: 0.5-1g(TD) PO	Liq. Citralka (1.5mg/5ml)...100ml(pfizer)	Acidosis,in acute urinary tract infection,dehydration,pyelitis,cystitis,urethritis. Contra indication in alkalosis,oedema,renal disease, and neonates
3.	Nefrotec-DS	D/cat: 1-2 tab BID PO	Tab. Nefrotec-DS ...60's(himalaya)	Urinary tract infection, nonspecific urethritis, cystitis, kidney dysfunction, crystalluria, nephrolithiasis.
4.	cystone			

SHAMPOO/SOAP

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESENTATION	Indications
1.	Micodin	miconazole nitrates 2%, chlorhexidine gluconate 2%.	Shampoo: MICODINE ...100,200ml(intas)	Dermatomycosis, Ring worm. Thrice in week Seborrheic dermatitis,skine infection
2.	petben	Benzyl peroxide 2.5%	Shampoo: PETBEN ...150ml(petcare)	For degreasing, to open hair follical for skine treatment,as a deodorant.
3.	Myconil plus	Ketokonal2%+chloehexidine4%	Shampoo: MYCONIL PLUS.100ml(pfizer)	Seborrheic dermatitis, skine infestion
4.	Ectofree	Wash (cypermethrin 1% w/w, salicylic acid 0.1 w/w, neem oil in foam base)	Shampoo: ECTOFREE ...200ml(zydus)	Control of ticks, mites, lice and fleas Thrice in week
5.	Sebolytic	Sodium salicylate 1%w/w, zinc gluconate0.5%, pyridoxine0.5%w/w	Shampoo: SEBOLYTIC...200ml(virbac)	Keratoseborrhea
6.	Erina plus	Ayurvedic	Shampoo: ERINA PLUS ..100ml(himalya)	Coat cleanser with conditioner,anti bacterial,anti dandruff anti pruritic deodorant
7.	Softas max	Permethrin2%+ miconazole2%	Soap: SOFTAS MAX ...75g(intas)	Ecto parasitic and fungal infection in dog.

RUMENOTONIC PREPARATION

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESENTATION	Indications
1.	AMYST	Sea Flora extract 1000 mg Saccharomyces-17.6 X 10 ⁹ <i>Aspergillus Oryzae</i> 500 mg PO	Bol. AMYST...2's L. A. 1-2 bolus BID S.A. ½ -1 bolus /BID	Probiotic & /nutritional supplement in anorexia use
2.	ECOTAS	C/B: 2 boli BID for 4 days PO	Bol. ECOTAS...8'S(intas)	To improve digestion during prolonged off-feed condition adjunct to antibiotics & anti-diarrheal, post weaning micro flora replacer
3.	RUMENTAS	LA: 2 boli. BID for 2-3 days	Bol. RUMENTAS...4'S(intas)	
4.	HIMALYAN BATISA	Ayurvedic powder	Pow. H. BATISA...100g,200g, 400g, 1kg	
5.	RUMICARE	Adult cattle: 125g PO S/G: 30g PO	Pow. RUMICARE...125g,500g(MSD) Bol. RUMICARE...4'S	
8.	RUMISACC	C/B: 2-4 boli. For 3-5 day S/G/Calf: 2 boli. For 3-5 days	Bol. RUMISACC ...4'S(Pfizer)	Anorexia, disturbed rumen motility, microfloral imbalance, simple indigestion, ruminal acidosis, ruminal stasis.
6.	BUFZONE	Rumen buffer, metabolic boosters, yeast. C/B:200g/day for 3day PO	Pow. BUFZONE...200g(intas)	Anorexia, disturbed rumen motility, microfloral imbalance, simple indigestion, ruminal acidosis, ruminal stasis.
7.	Bovirum (Rumen Buffers, Rumenototics and stomachics)	(Antimony potassium tartrate 2g, Copper Sulphate 50 mg, Cobalt Chloride 100 mg) S/G: 1-2 boli daily	Bol. BOVIRUM...4'(zydus) LA: 3-4 boli daily	Anorexia, Disturbed rumen, morbidity and microfloral imbalance, simple indigestion, ruminal acidosis.

AYURVEDIC PREPARATION

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESENTATION	Indications
1.	GALOG	Cattle: 50g daily PO	Pow: GALOG..300g,1,25kg(Indian herbs)	galactogogues
2.	GALACTIN VET	C/B:4-6 boli post calving for 10 day followed by 2-3 boli for maintenance dose S/G: 2-3 boli after parturition for 10 day	Bol: GALACTIN VET...4's(himalya)	galactogogues
3.	PROLACTOS			
4.	MILK IT	30g daily for 10 consecutive day	Pow. MILK IT...30g×10's,1.5kg,10kg	Galactogogues
5.	MILK VET	10-20 tab bid	Tab. MILK VET...100×1,1000×1	
6.	MILKOPLEX	1-2 boli bid give 0.5-2 hr. before milking	Bol. MILKOPLEX...20×1,200×1	Use for letdown of milk due to psychic disorder like death of the new born calf change in place and environment, milker replacer or any other psychic disorder
7.	LACTOVET		Pow. LACTOVET...500gm(rakesh)	

INTRAMAMMORY INFUSION

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESANTATION	Indications
1.	MAMMITE	(Colistin sulphate 5lac IU, cloxacillin sodium 200mg)	Oint: MAMMITE...10g/syringe(intas)	For mastitis
2.	PENDISTRIN-SH	(Penicillin 1lac,streptomycin sulphate 100mg,sulphamerazine 500mg, hydrocortisone acetate 29mg)/tube	Oint: PENDISTRIN-SH...6ml(zydus)	For mastitis
3.	MASTIWOK	Cefperazone sodium 250mg	Oint:MASTIWOK..10ml/syringe(vetoquinol)	For mastitis
4.	Cobactan LC	(Cefquinome 75mg)/syringe	Oint: Cobactan LC...75mg/syringe	For mastitis
5.	VETCLOX PLUS	(Ampicillin sodium 75mg, cloxacillin sodium 200mg)/tube	Oint: VETCLOX PLUS...10ml(zydus)	For mastitis

Sr. No	Name of Drugs	Dose&CONCENTRATION	T.N. WITH PRESENTATION	Indications
1	MAGNESIUM SULPHATE			
2.	NEBLON			
3.	TYMPOL			
4.	SULPHAR			
5.	SODIUM SALICYLIC ACID			
6.	SODIUM BICARBONATE			
7.	SODIUM IODIDE			
8.	POTASSIUM IODIDE			
9.	SODIUM THIOSULPHATE			
10.	Boric acid 2%	Borax (sodium tetra borate)	It is non irritating and is mainly used as an antiseptic in the forms of aqueous soln. 4	

			%.	
11.	PRE-MAST		Pow. PRE-MAST..60gm,600gm(rakesh)	
12.	Rorect			

OINTMENT

Sr. No	Name of Drugs	Composition	T.N. WITH PRESANTATION
1.	HIMEX OINT	Each 10 gm contains Dekadern oil 20 Karanja 45 Harder 4 Gundhaka 5 Tankarcha 5	Broad spectrum dermatological miticidal, antifungal, antiseptic, antipruritic, and fly repellent skin preparation
2.	LIDOCAIN	2% lignocain HCL gelly	Use to apply on proleps mass to prevent irritation
3.	IODEX OINT		
4.	KISKIN		
5.	WHITE FIELD OINT		
6.	PETOVET		
7.	BURN COOL		
8.	TERPINEOL		
9.	CHARMIL		
10.	Thrombophobe		

SPRAY

Sr. no.	Name of Drugs	Dose	(trade name)TN. With presentation	Indications/MOA/precaution
1.	Topicure	Herbal spray/cream apply as per requirment	Spray: TOPICURE...75,250ml	Herbal aerosol spray for deep penetration into maggot wounds. FMD lesions , foot rot and skin wounds
2.	Scavon vet		Spray: SCAVON VET ...120ml(Himalaya) Cream: SCAVON VET...50g(Himalaya)	Herbal topical broad spectrum anti-bacterial, antifungal, antipruritic and anti-inflammatory cream. It also promote collagenisation and epithelisation
3.	Wisprec	Herbal spray	Spray: WISPREC...100,200ml	Herbal anti-inflammatory aerosol spray, to prevent sub clinical mastitis.
4.	D-mag	Gamma benzene hexachloride 0.1%w/w, proflavin hemisulphate 0.1%w/w, cetrimide0.45%w/w, eucalyptus oil & turpentine oil	Spray: D-MAG...50,100ml(intas)	Maggot infestation, follicular mange Avoid licking of the compound, as it is highly toxic.

ANTISEPTICS

Sr. No.	Name of Drug	Composition	Indications	Remarks
1.	Potassium permanganate	0.01 % KMnO_4 (1: 1000 to 1: 10000) 0.02 % soln.	Douching, irrigating cavities, and cleaning wounds 0.02% solution used for gastric lavage in the treatment of poisoning	
2.	Hydrogen peroxide	6 % H_2O_2 3 % H_2O_2	3% solution is used to wound cleansing agent but has little value as an antiseptic It is oxidizing agent when apply on contaminated wound it liberates oxygen and debris will come out . Used for cleaning ear canal	3% soln exhibits significant cytotoxicity so its use should be restricted to wound cleaning agent and not as antiseptic
3.	Povidone iodine (betadine 5% and 7.5 % W/V)	5% Povidine iodine 7.5 % Povidine Iodine	It is used as general (5%) antiseptic and wound healing agent for various dermal and mucosal infections. It is useful as a skin scrub for hands of the surgeon and skin of the patient. 7.5 % Solution. 5% soln used for preventing and treating microbial infections of wounds, abscess and other skin injuries because of their wide anti microbial spectrum and low toxicity	Not to be used in ear canal because it causes ototoxicity
4.	Tincture iodine	44- 45% V/V of alcohol	Used in abscess for rupture of the pyogenic membrane	It should not be used in incised wound
5.	Liq. CHLORHEX-OL...50ml	Chlorhexidine 5%v/v	Use as an antiseptic	
6.	Tincture benzoin	70- 77 V/V alcohol	It has an antiseptic, sticky and coagulant nature. So use as after performing surgical operation on the suture seal	

9.	Turpentine oil	Obtained from pines <i>Pinus palustris</i>	Used in maggots wound Used in bloat and frothy bloat	It is an irritant, Causes renal , CNS, & GIT toxicity
11.	Liq. Saaf –kit...200,500ml	Iodine 0.71%w/v	For prevention of mastitis USES: .add 1ml of Saaf-kit in 49ml of water and spray as udder wash, Add 1ml of Saaf-kit in 9ml of water and spray on each teat every time after milking.	

HOMOEOPATHIC MEDICINE

Sr.no	Trade name	presentation	Indication
1.	MASTOS	Pilli. MASTOS...550pilli Acute: 15-20pills 3-5 times daily Chronic: 20pills 3 times daily	Use for mastitis, yellowish flaks or pus or blood in milk. Acute chronic mastitis, sub clinical mastitis, hard and inflamed udder, effective on multi drug resistant bacteria, prevent replace of disease
2.	PROLACTOS	Pills. PROLACTOS...approx.550pills 15-20 Pilli for 3-5 times daily	Agalactia , milk let down, total absence or very less quantity of milk, shock due to death of calf, sudden change in environment ,change of owner.
3.	MILKTOS		To improve the milk production and fat percentage
4.	PREGTOS		Prevent proleps of uterus Help in foetal growth,

			strengthening muscles of uterus, cervix & vagina, also having a diuretic effect.
5.	FERTOS		Heat inducer, development of ovary and uterus, to maintain the pregnancy.
6.	UTROTOS		Use in case of ROP, and uterine cleaner.
7.	ENTROTOS		Use in diarrhea, malena, haemorrhagic gastro enteritis, also use as a deworming.
8.	DIGITOS		Use in bloat, appetite stimulant
9.	ARTHROTOS		Use for arthritis, to releave the pain.

EYE/EAR DROPS

Sr. No.	Name of Drugs	Dose&composion	Indications	Remarks
1.	OTIBACT EAR DROPS	(Enro 5mg,silver sulphadiazine 10mg)/ml	Drops. OTIBACT EAR DROPS.15ml(cipla)	Eye-conjunctivitis,keratitis,corneal ulcer,blepharitis,hordeolum,trachma
2.	OTIREL	(Clotrimazole1%w/v, ofloxacin0.3%w/v, Betamthasone0.025%w/v, lignocain 25%w/v)/ml	Drops. OTIREL...15ml(pfizer)	Same as abouve
3.	OTOCIN PET	Ofloxacin0.3%w/v,beclomethasone0.025%w/v,clotrimasol1%w/v,lignocain2%w/v	Drops. OTOCIN PET...10ml(pet mankind)	Same as abouve
4.	FLURBIPROFEN	Flurbiprofen 0.03%w/v	Drops. FLUR...5ml Drops. FBN...5ml(micro vision) Drops. OCUFLUR...5ml(FDC)	Cataract surgery,antear uveitis,ulcerative keratitis.
5.	BETNESOL	Betamethasone 0.1%	Oint. BETNESOL(0.1%w/v)...5g(GSK) Drops. BETNESO(0.1%w/v)...5ml(GSK)	Cataract surgery,antear uveitis,ulcerative keratitis.
6.	POMISOL	(Gentamicin0.3%w/v, clotrimasol1% w/v, Betamethasone 0.025%, lignocaine 2% w/v)/ml	Drops. POMISOL...15ml(intas)	Eye-conjunctivitis,keratitis,corneal ulcer,blepharitis,hordeolum,trachma
7.	CIPROFLOXACIN	Ciprofloxacine 0.3%	Drops. CIFRAN...10ml(Ranbaxy) Drops. CIPROBID-E/E...5ml(zydus)	Eye-conjunctivitis,keratitis,corneal ulcer,blepharitis,hordeolum,trachma