

Last update: March 2020

Being addressed	Solution exists but there are	Problem	Existing solution	No solution in sight
	economic issues	of cascade application		Expert input awaited

Horses

ANMV (French Veterinary Agency) review in August 2018 following sector meeting on 18/07/2018 and update on 07/10/2019 with C. Scicluna by telephone

Pathology/Family	Therapeutic alternatives identified	Health impact	Economic impact	Comments	ANMV (French Veterinary Agency) comments
Injectable antibiotics as "first-line" treatment <u>in</u> <u>intravenous</u> <u>administration</u>	 Penicillin procaine and benzathine BELCOPENI 5 (Benzylpenicillin sodium + colistimethate (colistin)) authorised for all species, administered via slow IV, has not been marketed since 2017. > The only alternative might be to use veterinary drugs containing penethamate (PENETAVET for horses or, with cascade, other bovine drugs: STOP M, PENETHAMATE, PENETHAONE, PERMACYL, REVOZYN) BUT all of them are indicated only via IM and are contraindicated via IV (because they are all suspension forms) 	4	5	Need for penicillin sodium or amoxicillin which can be administered via <u>IV</u> to horses. Veterinary drugs unavailable: STOP M (penicillin sodium) for cattle out of stock, CLAMOXYL (amoxicillin) dropped and PENETAVET (pheneticillin) withdrawn. Use of procaine is limited due to risk of neurological reactions. The alternatives are EXCENEL or COBACTAN (critical antibiotics). Email exchanges in March 2020 with J.L Demaizières: Penethamate (like penicillin procaine) presents the following drawbacks: - high risk of shock if the product enters the bloodstream during injection, risk of extremely violent reaction in the animal. This explains why owners of expensive horses refuse to allow these products to be used and why ceftiofur or marbofloxacin are preferred. - IM injection of this type of product twice daily causes horses to shy away on the 2 nd day, and they very often develop local reactions => A first-line AB is required which will not cause horses to lie down on the ground and which can be injected via IV.	Sector meeting on 18/07/2018 Smithkline Beecham CLAMOXYL 5G (taken over by ZOETIS), MA withdrawn in 2009, could be a good alternative. AVEF (the French Equine Veterinary Association) is looking into the possibility of a generic drug with SIMV ⇔ could MRP of a CLAMOXYL MA from another European country be envisaged?



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Rhodococcus	Curative: Azithrom Veterinar	Drugs for human use: ycin/Tulathromycin + Rifampicin. y erythromycin not always effective	3	5	antibiotics.	Would avoid having to resort to		Data on volume of autologous vaccine to be used pending collection.
Piroplasmosis			3	3	be applied in prac			
Leptospirosis	Curative:	tetracyclines.	2	2	Vaccine requested	I. Would avoid antibiotic treatme	ent	
Immune mechanism stimulator	Parapox t	ype immunomodulator	2	2	Alternative to use Available with MA imports, including	of antibiotics. . in Europe, combating fraudulen those conducted via the interne	it et.	
Chondroprotective corticoid	Triamcino human uso	lone acetonide-based drug for e	1	3	considered to be	ction triamcinolone is the only c chondroprotective. Triamcinolon ANITEDAROL veterinary drug – c marketed.	e	
Myositis	Vit E for v (DANTRIU	eterinary or human use: Dantrolene IM)	1	2	Vit E not particula veterinary drug w	rly effective. A dantrolene-based ould be helpful.	1	
Lactation induction	Drug for h	numan use: sulpiride	1	2	Veterinary drug n	eeded.		
Botulism	Bovine se	rum	1	1	No equine vaccine	e or serum available		Possibility of importing ANTRAVAX bovine vaccine
Antibiotic against anaerobes (pleuropneumonia)	Drug for h	numan use	1	1	A metronidazole-	based veterinary drug is required	1.	Only for use in horses not intended for human consumption
Fungal keratitis	Injection fungizone	drugs for human use: natamycin or	1	1	A veterinary drug required.	suitable for ophthalmic applicati	ion is	
Alpha-2 agonist antagonist (detomidine)	Drug for h	numan use: yohimbine	0	1	A veterinary drug	would be very useful.		
Chemical castration	IMPROVA	C	0	1	Vaccination react demand at preser context of increas exists in Australia	ons with IMPROVAC. No significa it, but likely to arise given genera ed awareness of animal welfare. and NZ.	ant al EQUITY	



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Allergies – Oral treatment	Dexamet	hasone in injection form	2	3	Oral administratio needed.	n prednisolone or dexamethason	e	MA for EQUISOLON prednisolone- based oral powders for horses since 03/2014
Anaesthetic	Drug for	human use: diazepam	0	1				MA for DIAZEPAM TVM 5MG/ML since 02/2014
Analgesic	Bupreno	rphine for cats and dogs	0	1	only opioid availab	for horses would be very useful. T ble for use in horses is butorphand lgesic effect and short duration o	ol.	MA for BUPRENODALE and BUPREDINE MULTIDOSE 0.3mg/ml SOLUTION FOR INJECTION FOR DOGS, CATS and HORSES since 08/2013 and