

# Effects of feeding herbs on coccidial shedding and weight gain in lambs

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**Introduction** An additional feeding based on herbs was tested on lambs for its efficacy against shedding of *Eimeria* spp. (fecal coccidial count (fcc) and weight gain (wg) in weaning and in fattening lambs.

## Material and methods

### TRIAL 1: weaning lambs

Week of life	Weaning with 8 weeks of life				Weaning with 12 weeks of life				
	Control, n=21		Herbs P, n=25		Control, n=7		Herbs P, n=7		
	To do	Feeding	To do	Feeding	To do	Feeding	To do	Feeding	
		week 0-8		week 0-8		week 0-12		week 0-12	
4	Wg, Fcc	conc.	Wg, Fcc	4 kg/t	Wg, Fcc	conc.	Wg, Fcc	4 kg/t	
8	Wg, Fcc		Wg, Fcc	conc.	Wg, Fcc		conc.	Wg, Fcc	conc.
12	Wg, Fcc		Wg, Fcc		Wg, Fcc			Wg, Fcc	
16					Wg, Fcc		Wg, Fcc		

### TRIAL 2: fattening lambs

Week of life	To do	Control, n=6	Herbs P, n=6	Herbs V, n=6	Herbs A, n=6
17	Wg, Fcc				
18	Wg, Fcc		8 g/day/anim.	10 g/day/anim.	20 ml/day/anim.
19	Wg, Fcc		8 g/day/anim.		
21	Wg, Fcc		8 g/day/anim.		
22	Wg, Fcc			10 g/day/anim.	20 ml/day/anim.
23	Wg, Fcc				
24	Wg, Fcc				

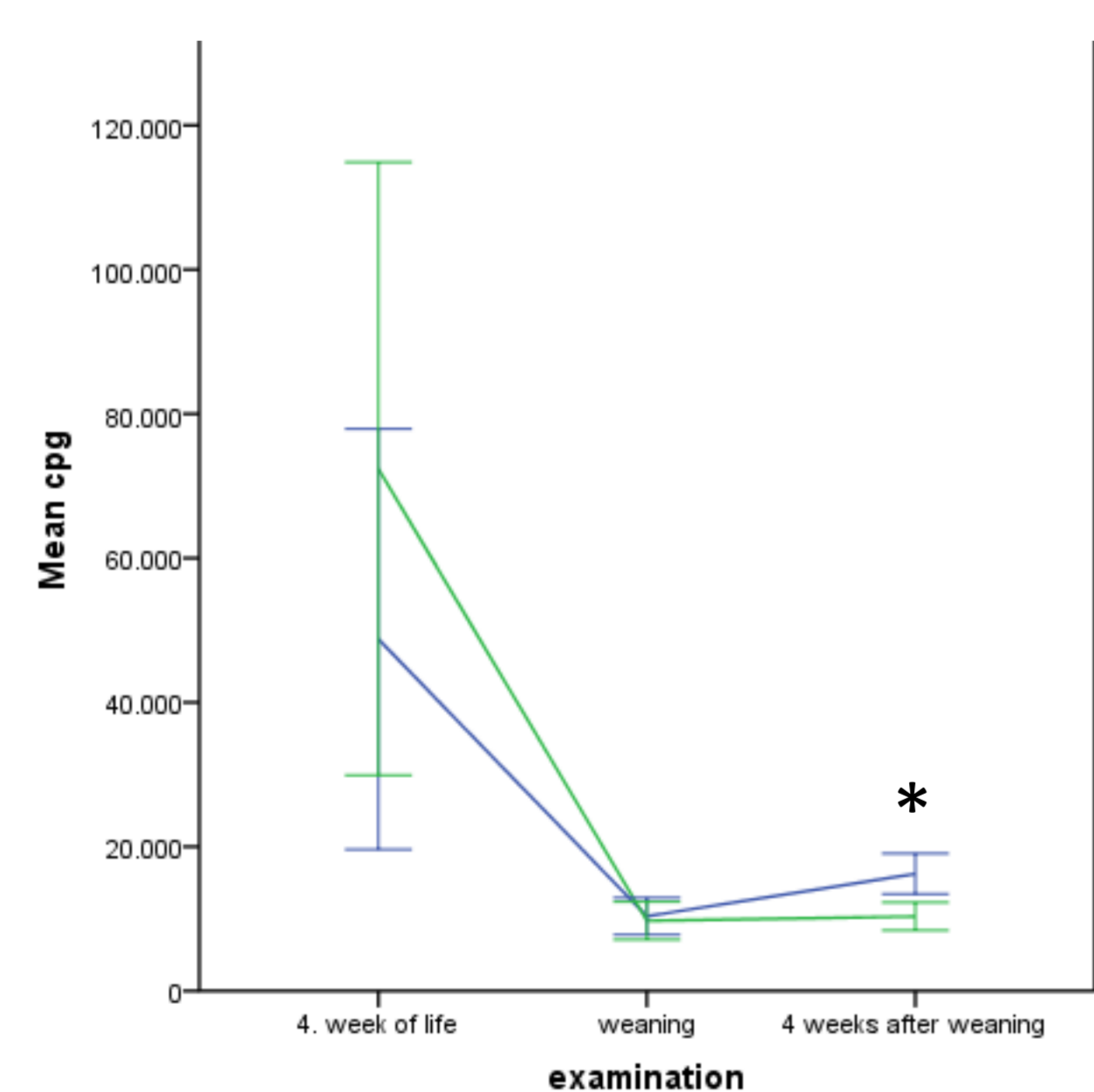
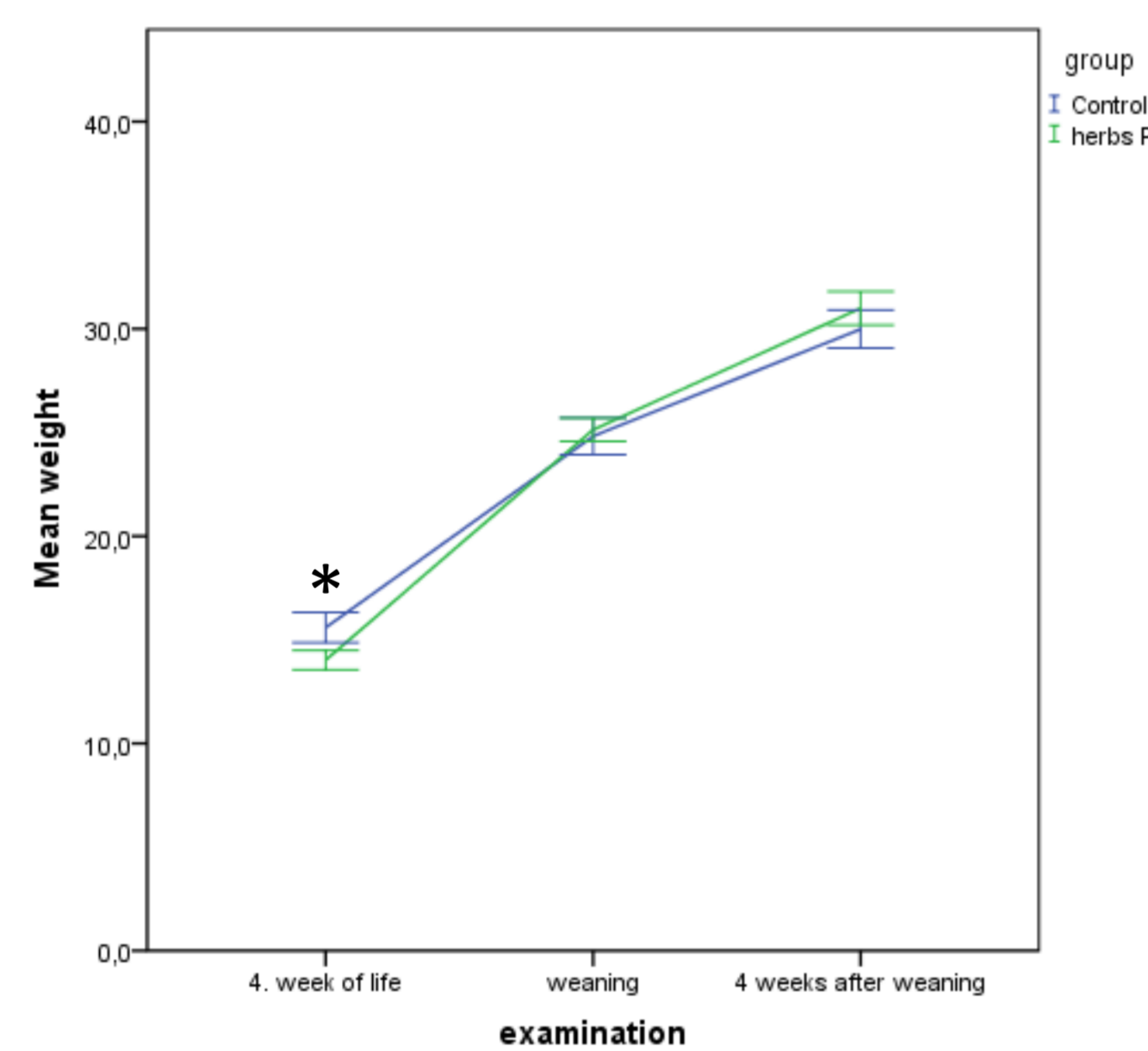
### Mixtures of herbs

Herbs P (powdry)	
Garlic	Allium sativum
Turmeric	Curcuma longa
Himalayan cedar	Cedrus deodara
Ginger	Zingiber officinale
Long pepper	Piper longum
Herbs V (pelleted)	
Garlic	Allium sativum
Slippery elm	Ulma fulva
Peppermint	Mentha piperita
Thyme	Thymus vulgaris
Cleavers	Galium aparine
Cinnamon	Cinnamomum zeylan.
Common nettle	Urtica dioica
Quassia root	Picrasma excelsa
Herbs A (herbal extract)	
Garlic	Allium sativum
Mugwort	Artemis vulgaris
Walnut	Juglans regia
Clove	Syzygium aromat.

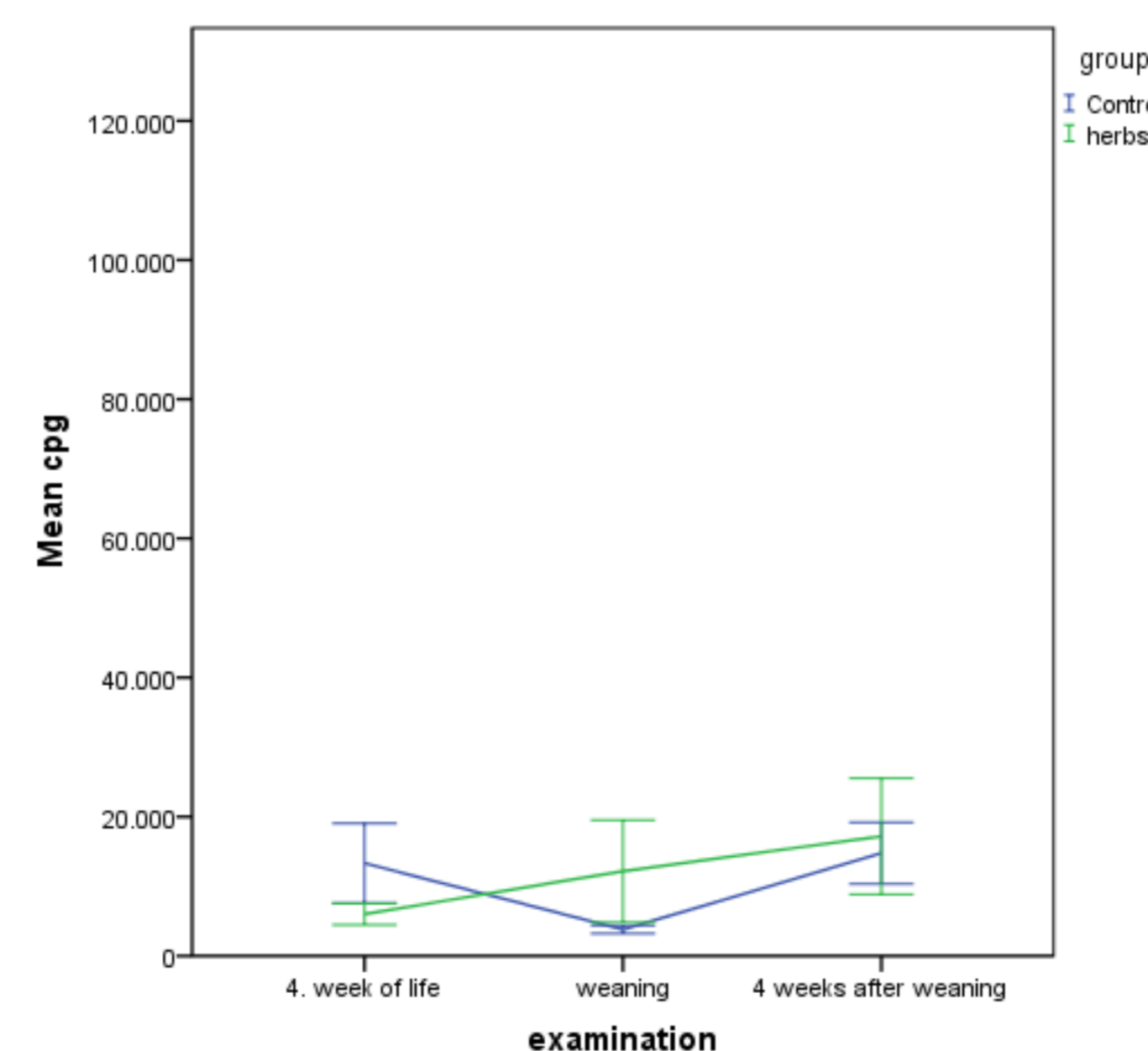
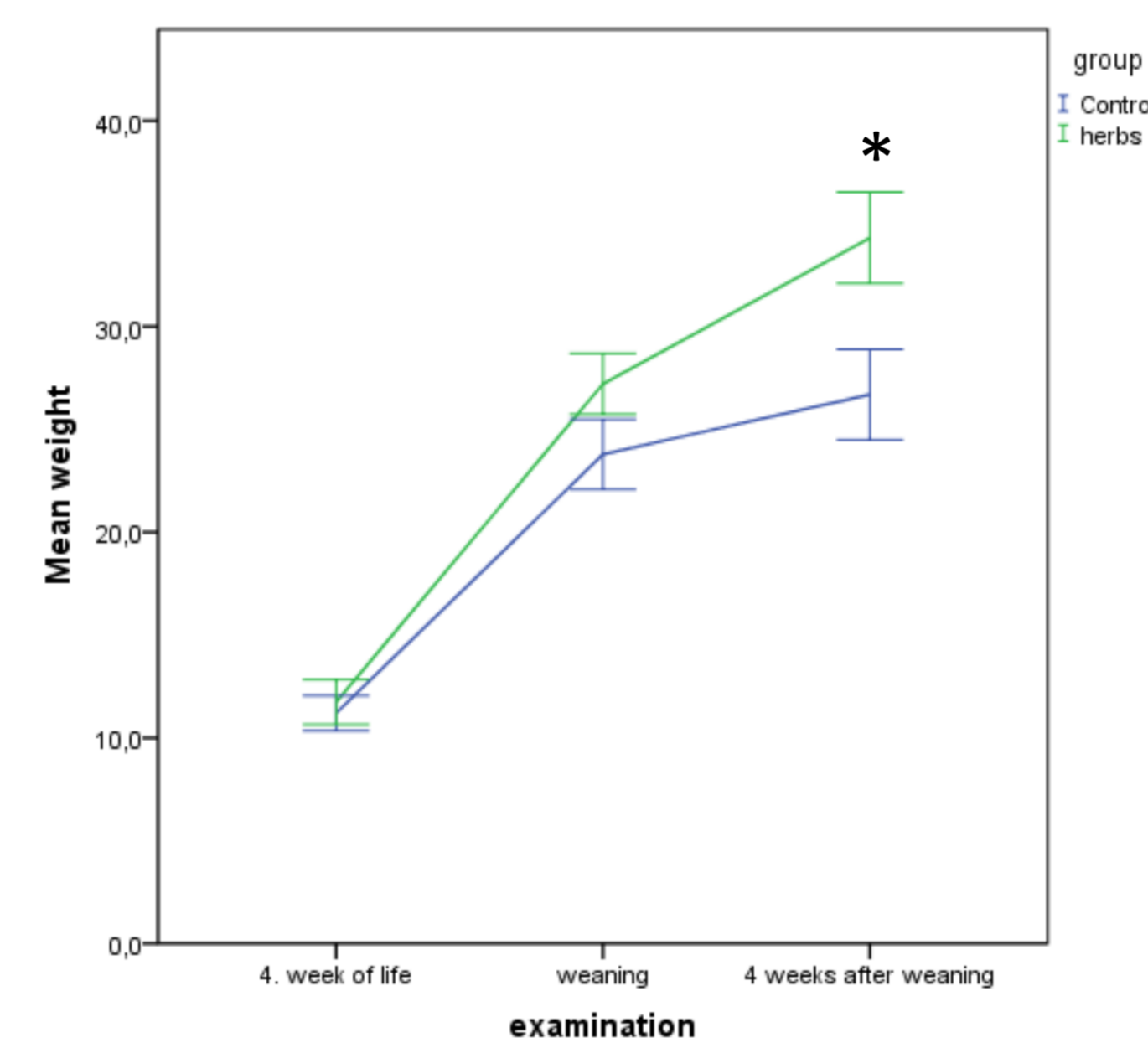
## Results

### Weaning lambs

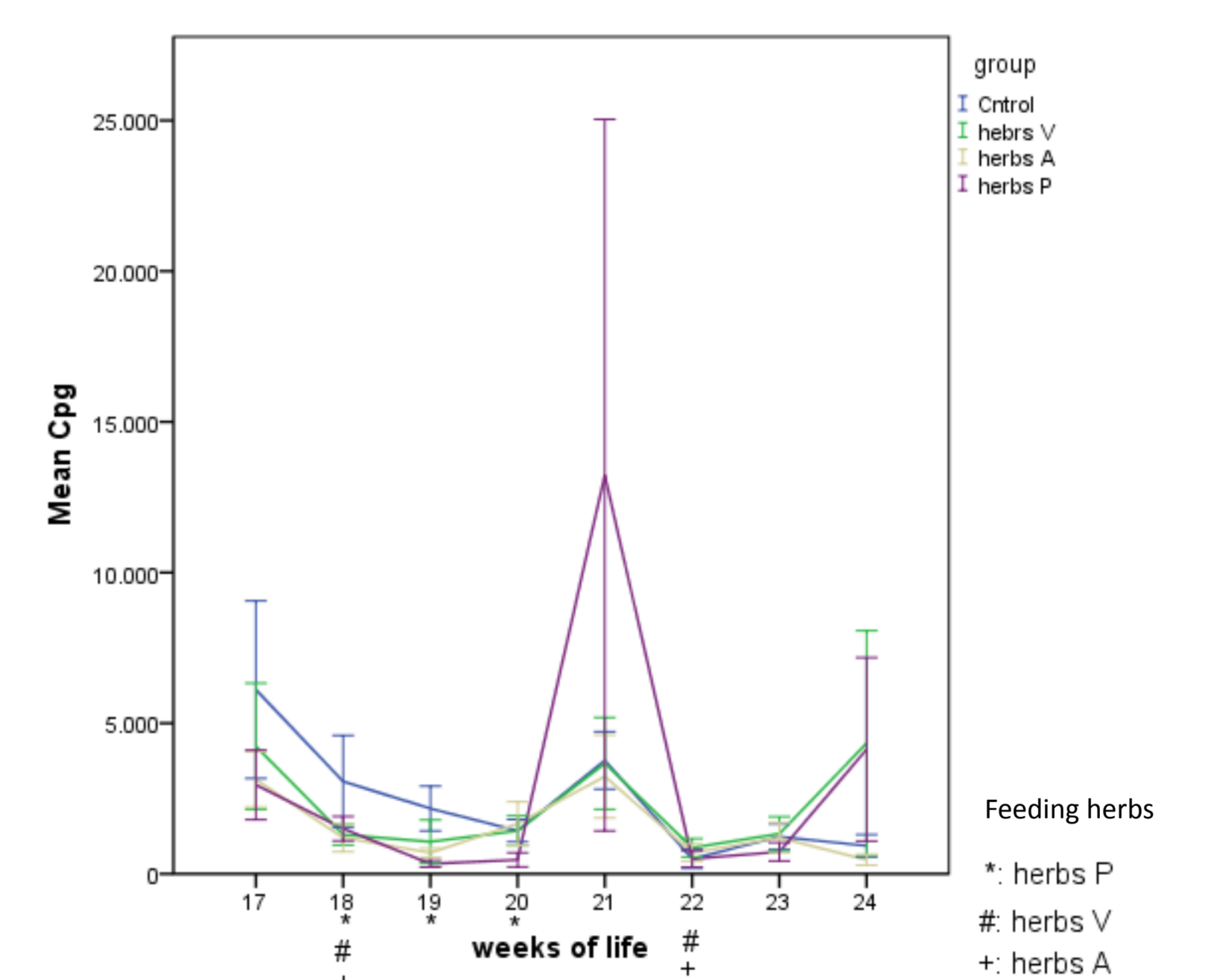
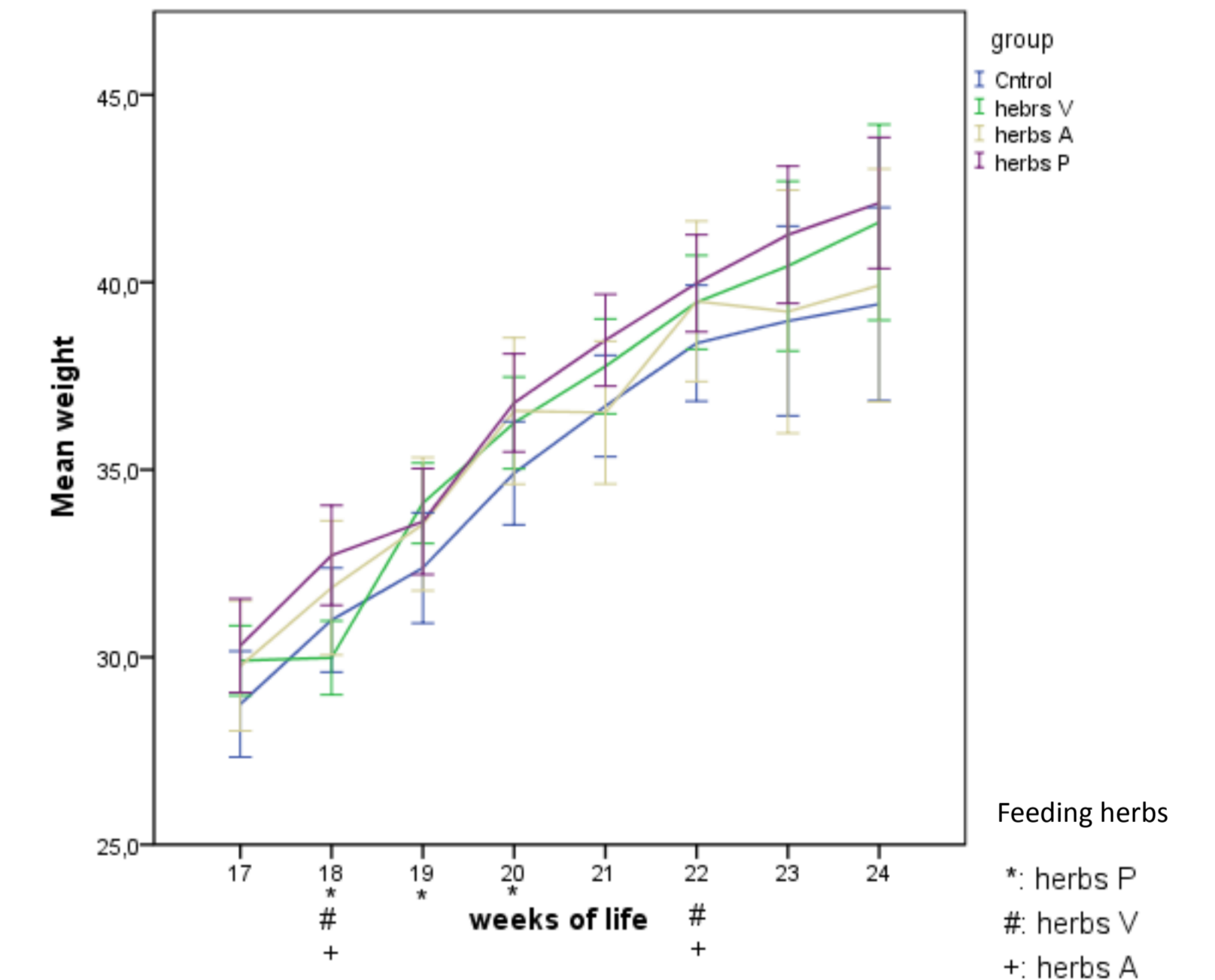
#### Weaning with 8 weeks



#### Weaning with 12 weeks



### Fattening lambs



## Conclusion and discussion

Feeding herbs over a longer period of time had positive effects on production parameters. More information about duration of additional feeding and time of application during special events (parturition, weaning, etc.) would be usefull.