



















































Religious slaughter and animal welfare



Û





















Comparison of slaughter methods - on blood loss in sheep -

		Live Wt (Kg)	Fleecce Wt (Kg)	Organ Wt (Kg)	Total bloodloss (Kg)
	No stuning	38.3±1.5	4.1±0.2	1.8±0.1	1.6±0.1
	Electrical stunning	45.6±1.9	3.9±0.3	2.1 0.1	1.8±0.1
	Captive b ti stunning	37.5±2.8	4.2±0.2	1. 4 ±0.1	1.5±0.1

- on welfare and meat quality						
parameters	- P0/ (%)	45min	24hrs	Colou		
Nostunning	364±1.0	6.6±0.05	5.7±0.1	2.8±0.1		
Eetrica stunning	365±1.5	6.4±0.04	5.1±0.03	25±0.2		
Captivebolt stunning	356±0.5	6.7±0.03	6.2±0.01	3.1±0.1		





(Comparison of slaughter methods blood loss in cattle -						
		Live Wt (Kg)	Hide Wt (Kg)	Organ Wt (Kg)	Total Blood Loss (Kg)		
	No Stunning	363.5 ± 5.7	31.2 ± 0.8	11.6 ± 0.3	10.9 ± 0.4		
	Captive Bolt Stunning	355.0 ± 12.3	31.5 ± 1.0	11.7 ± 0.3	10.9 ± 0.3		
ð							

Γ

Comparison of slaughter methods -welfare and meat quality parameters in cattle -

	-	рН			
	PCV (%)	45 Mins	24 Hrs	Colour	
No Stunning	40.9 ± 0.9	7.01 ± 0.03	6.17 ± 0.04	4.91 ± 0.12	
Captive Bolt Stunning	40.1 ± 1.4	7.06 ± 0.03	6.20 ± 0.05	4.80 ± 0.17	







Incidence of carotid occlusion and the electrophysiological results following stunning and sticking								
	Calf	Stick	Carotid	Duration 6	Timetoiscelectric	Timeto los		
	Nos	type	occlusion	epilepsy (s)	ECoG (s)	of VER's(s)		
	55	Neck	YES	37	39	44		
	57			21	127	-		
	58			37	124	80		
	56		NO	24	54	8		
	60			22	36	8		
	62			18	38	8		
	45	CHEST	NA	24	36	*		
	52			18	38	*		
	53			22	60	*		
	54			20	45	-		





LIST OF PARTNERS

- University of Bristol (United Kingdom) (Coordinator)
- BSI, Schwarzenbek (Germany)
- Université de la Méditerranée, Marseille (France)
- Institut De Recerca I Tecnologia Agroalimentaries (IRTA) (Spain)
- Cardiff University (United Kingdom)
- Freie Universität Berlin (Germany)
- National institute for Consumer Research (SIFO) (Norway)
- Gent University (Belgium)
- Association pour le Développement de l'Institut de la Viande (ADIV) (France)
- Veterinary Association, Istanbul (Turkey)
- Royal Veterinary College, London (United Kingdom)
- Universita di Milano (Italy)
- Animal Sciences Group Wageningen UR (ASG Veehouderij BV)
- (Holland) University of Perugia (Italy)
- Bar Ilan University (Israel)
- · Meat and Livestock Australia (MLA), Australia

9/