'Atiqot 100, 2020

The Zooarchaeological Assemblage from Rabbi Yehuda Me-Raguza Street, Yafo (Jaffa)

Moshe Sade

Faunal remains were recovered from all main strata on Rabbi Yehuda Me-Raguza Street, Yafo (Jaffa; see Arbel and Rauchberger, this volume). The main assemblage originated in the western end of Area A (L129, B1129), at a shallow depth under the present street level. More than ninety percent of the partially articulated bones were identified as horse (*Equus caballus*; Table 1). As the latest pottery in the surrounding soil dated to the late Ottoman period (see Vincenz, this volume) it would be safe to associate these remains with that time frame. All the other animal bones found in the excavation were scattered, although in several cases they could be associated with each of the main strata at the site—the Hellenistic (Tables 2, 3), Byzantine (Table 4), Crusader (Tables 5, 6) and late Ottoman (Tables 7, 8) periods. The limited assemblages from each stratum did not allow a reconstruction of livestock management.

Table 1. Representation of Domestic Mammals (NISP), L129

Species / Bones	*Ovis aries/ Capra hircus*	*Bos taurus*	*Equus* sp.	Total
Cranium			2	2
Incisor			2	2
Canine			2	2
Premolar			10	10
Molar			9	9
Metacarpus	1			1
Tibia			1	1
Fibula			6	6
Astragalus			2	2
Metacarpus			9	9
Metapod	1	1	7	9
Phalanx I			2	2
Phalanx II			2	2
Phalanx III			1	1
Vertebra lumbar			1	1
Costae			2	2
Total NISP	*2*	*1*	*58*	*61*
% NISP	*3.29*	*1.63*	*95.08*	*100.00*

Table 2. Representation of Domestic Mammals, Hellenistic Period

Species / Bones	*Ovis aries/ Capra hircus*	*Bos taurus*	*Equus caballus*	*Equus asinus*	*Sus scrofa*	*Gallus gallus*	Total
Mandibula	1	1					2
Molar	1						1
Premolar		1					1
Scapula	1					1	2
Humerus	1					1	2
Ulna	4						4
Metacarpus					2		2
Femur		1			1		2
Tibia						1	1
Metatarsus		2					2
Metapod	13	2			1	2	18
Astragalus	1	1	1	1			4
Calcaneus		1					1
Phalanx II				1			1
Phalanx III		1					1
Vertebra atlas		1					1
1 Vertebra lumbar	1						1
Costae	29						29
Total NISP	*52*	*11*	*1*	2	*4*	*5*	*75*
NISP %	*69.33*	*14.67*	*1.33*	*2.67*	*5.33*	*6.67*	*100.00*
MNI	2	1	1	1	2	1	8
MNI %	25.00	12.50	12.50	12.50	25.00	12.50	100

Table 3. Representation of Bones of Metapodial Animals by Side (R = right; L = left) and End (D = distal; P = proximal), Hellenistic Period

Species / Bones	*Ovis aries/ Capra hircus*		*Bos taurus*		*Equus caballus*		*Equus asinus*		*Sus scrofa*		*Gallus gallus*	
	R	L	R	L	R	L	R	L	R	L	R	L
Humerus D		1										1
Ulna P	2	1										
Metacarpus P									2			
Metacarpus D									2			
Femur P				1							1	
Femur D											1	
Tibia P											1	
Metatarsus P				1								
Astragalus	1				1		1	1				
Calcaneus			1									

Table 4. Representation of Domestic Mammals, Byzantine Period

Species / Bones	*Ovis aries/ Capra hircus*	*Equus caballus*	*Equus asinus*	*Canis familiaris*	*Total*
Cranium				1	1
Molar		1			1
Premolar		1			1
Humerus				2	2
Pelvis	1				1
Tibia				1	1
Fibula		1			1
Metatarsus		2			2
Metapod	1			6	7
I Phalanx			1		1
Vertebra				2	2
Vertebra lumbar	2	1			3
Costae		1		12	13
Total NISP	*4*	*7*	*1*	*24*	*36*
NISP %	*11.11*	*19.44*	*2.78*	*66.67*	*100.00*
MNI	1	1	1	1	4
MNI %	25.00	25.00	25.00	25.00	100.00

Table 5. Representation of Domestic Mammals, Crusader Period

Species / Bones	*Ovis aries/ Capra hircus*	*Bos taurus*	*Equus asinus*	*Total*
Cranium	1			3
Maxilla	1			1
Incisor		1		1
Premolar	3	2		5
Molar	3		1	4
Scapula		1	1	2
Humerus	1	1		2
Ulna	1	1		2
Metacarpus		1		1
Tibia	1	1		2
Fibula			1	*1*
Metatarsus	1			2
Metapod	2	8		9
Phalanx I		1		1
Phalanx II	1	1		2
Phalanx III		2		2
Vertebra lumbar	4		1	5
Costae		5		5
Total NISP	*19*	*25*	*4*	*48*
NISP %	*38*	*54*	*8*	*100*
MNI	2	1	1	4
MNI %	50	25	25	100

Table 6. Metapodial Animal Bones by Side (R = right; L = left) and End (D = distal; P = proximal), Crusader Period

Species / Bones	*Ovis aries/ Capra hircus*		*Bos taurus*	
	R	L	R	L
Humerus P	1			
Humerus D			1	
Ulna P	1		1	
Metatarsus P		2		

Table 7. Representation of Domestic Mammals, Late Ottoman Period

Species / Bones	*Ovis aries/ Capra hircus*	*Bos taurus*	*Equus caballus*	*Equus asinus*	*Canis familiaris*	Total
Cranium		1	1			2
Mandibula	2	1				3
Incisor				4		4
Canine					1	1
Premolar		1				1
Molar	7	3	3	1		14
Scapula	2			1		3
Humerus	5			1		6
Radius		1				1
Ulna	1					1
Metacarpus				1		1
Pelvis	1					1
Tibia	1					1
Fibula				1		1
Astragalus	1			1		2
Calcaneus	1					1
Metapod	3	3				6
Metatarsus				1		1
Os metatarsus				5		5
Phalanx I	1	1				2
Phalanx III		1				1
Vertebra Atlas I		1				1
Vertebra lumbar	2	2				4
Costae	6	3	2	1		12
Total NISP	*33*	*18*	*6*	*17*	*1*	*75*
NISP %	*44.00*	*24.00*	*8.00*	*22.67*	*1.33*	*100.00*
MNI	3	1	1	1	1	7
MNI %	42.86	14.285	14.285	14.285	14.285	100.00

Table 8. Metapodial Animal Bones by Side (R = right; L = left) and End (D = distal; P = proximal), Late Ottoman Period

Species / Bones	*Ovis aries/ Capra hircus*		*Bos taurus*		*Equus asinus*	
	R	L	R	L	R	L
Humerus D	3	2				1
Radius P			1			
Metacarpus P					1	
Tibia D	1					
Astragalus	1					
Calcaneus	1					
Metatarsus P					1	

References

Arbel Y. and Rauchberger L. This volume. Remains from Middle Bronze Age II and the Hellenistic, Roman, Byzantine, Crusader, Late Ottoman and British Mandate Periods on Rabbi Yehuda Me-Raguza Street, Yafo (Jaffa).

Vincenz A. de. This volume. Byzantine- and Ottoman-Period Pottery Assemblages from Rabbi Yehuda Me-Raguza Street, Yafo (Jaffa).