

アル＝コーカ地区 TT47 出土の人骨およびミイラの 人類学的調査（第9次調査）

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Anthropological Study of the Human Skeletal and Mummified Remains from TT47 at al-Khokha Area in the Ninth Season

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Abstract

Human skeletal and mummified remains with animal remains were excavated separately from TT47 (the tomb of Userhat) at al-Khokha Area in the Theban Necropolis by the Waseda University Egyptian Expedition ranged from 2007 to 2016. All remains were stored within 20 flat boxes, each of which contains many small to medium sized vinyl bags, and 24 large vinyl bags containing broken mummies.

The purpose of this survey is to list up the inventory of human remains and to analyze these remains anthropologically. All procedures were carried out without any breakage of skeletal and mummified remains. Some photographs were taken in order to record unique characteristics.

In this season (Jan. 2016), 538 pieces of skeletal and mummified remains, which were contained in 117 vinyl bags from four flat boxes, and one human mummified torso were surveyed and basic identifications were made on all remains.

Most of the larger remains were broken and mixed, showing up no signs of original burials. The human mummified torso was identified as adult-female, from the small size and the morphological features of the pelvis.

早稲田大学古代エジプト調査隊の2007年から2016年にわたる調査によって、テーベ・ネクロポリスのアル＝コーカ地区のTT47（ウセルハト墓）から出土した人骨・動物骨およびミイラを調査した。人骨・動物骨そして部分的なミイラは、採集された地点別に数百個のプラスチック袋に記録荷札とともに納められ、さらに20個の平箱に収納されていた。また、比較的完全なミイラは24体あり、それぞれ大きなプラスチック袋に納められていた。

本調査の目的は、人骨およびミイラの詳しい同定記録を作り、将来の人類学的研究に資することである。全ての資料に関しプラスチック袋ごとに記録用のスナップ写真撮影を行い、さらに人類学的に重要な特徴を持つ資料に関しては、個別に、EOS40Dカメラおよびマクロレンズ55mmによって写真を撮影した。

今回の第9次調査では、人類学的調査は2016年1月12日から16日まで行われ、4個の平箱の117個のプラスチック袋に入った538点の人骨・動物骨・ミイラ・その他の資料、そして胴体が保存されたミイラ1体を同定した（表1）。大部分の資料は破壊され、混在し、堆積時の秩序が見られないので、攪乱層から出土したと推定される。

資料の外見や強度などの保存状態は変異に富み、ほぼ全ての人骨およびミイラは古色を帯び多少とも傷んで

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いるが、動物骨の大部分はかなり新鮮である。従って、人骨は古代エジプトに由来するが、動物骨は近代以降に二次的な堆積が行われた際に紛れ込んだ可能性が高い。人骨の一部には、焼けて灰化あるいは炭化しているものがあり(図1)、しかも同じ骨の破片が離れた区域から採集されているので、攪乱が激しかったことがわかる。

動物骨はウシやヤギのような家畜と思われるが、野生と思われるワニの骨もあった。

胴体部のミイラは、包帯が失われ、肌が露出している。腹腔に布の詰め物があることは確認できる。サイズは小さいが恥骨や坐骨の骨端が癒合していること、骨盤が女性特徴を示すことから、成人女性のものであると同定された(図2)。

人骨資料は、極めて断片的であり、攪乱されているので、それぞれの骨が特定の個体に属するかどうかを判定し復元することは不可能であった。なお、採取された人骨の一般的な特徴を検出すること、あるいは性別や年齢に特別な偏りがあるかどうかを判断するには、今後の精査が必要である。



図1 焼けた大腿骨の骨体部
(3つの破片が別々の地点から出土し、接合された。)

Fig.1 Burned bone fragments



図2 胴体部が保存されたミイラ (KH03-O0003)
(成人女性のもと同定された。)

Fig.2 The mummified torso (KH03-O0003)

表1 アル=コーカ地区 TT47 から出土した人骨・ミイラ・その他遺物の同定記録(第9次調査)

Table 1 Inventory list of the human skeletal and mummified remains studied in the ninth season

Excavation Number	Place	Layer	Date	Identification
KH08O0090	KHT01access	gray sand layer	141220	left humerus, left radius and ulna, left femur
KH08O0114	KHT01inner	gray sand layer	141221	left tibia, artificial pennis?, mummified tissues
KH08O0140	KHT01front of access	gray sand layer	141221	lump of linen
KH08O0147	KHT01front	gray sand layer	141221	mummified tissues
KH08O0176	KHT01inner	gray sand layer	141222	left parietal, mummified tissues, hand bones with mummified tissues
KH08O0191	KHT01front of access	gray sand layer	141223	left femur with mummified tissues
KH08O0216	KHT01inner	gray sand layer	141223	mummified tissues
KH08O0276	KHT01front	white sand layer	141225	mummified tissues
KH08O0287	KHT01front of access	gray sand layer	141227	occipital - C4 with mummified tissues
KH08O0312	KHT01front of access	gray sand layer	141228	humerus with mummified tissues, C1 - C4 with mummified tissues, Th1 - Th5 with mummified tissues, ribs with mummified tissues, right humerus and scapula with mummified tissues, mummified tissues
KH08O0322	KHT01front and west side	white sand layer	141228	right foot bone with mummified tissues
KH08O0335	KHT01front of access	white sand layer	141229	left femur with mummified tissues, right hipbone, lumbar vertebra, two vertebrae with mummified tissues, frontal bone, left calcaneus, right arm bones (humerus, radius and ulna) with mummified tissues, hand bones with mummified tissues, sternum, left femur with mummified tissues, left humerus with mummified tissues, mummified tissues, animal bone
KH08O0388	KHT01front and west side	gray sand layer	141230	left foot bone with mummified tissues
KH08O0423	north-west corner	gray sand layer	141231	animal bone
KH08O0437	KHT01front of access	white sand layer	141231	left femur with mummified tissues, right hipbone, mummified tissues

表1 (続き) アル=コーカ地区 TT47 から出土した人骨・ミイラ・その他遺物の同定記録 (第9次調査)
 Table 1 (continued) Inventory list of the human skeletal and mummified remains studied in the ninth season

Excavation Number	Place	Layer	Date	Identification
KH08O0461	trench of west side of south wall	white sand layer	150101	right humerus and scapula with mummified tissues
KH08O0461	trench of west side of south wall	white sand layer	150101	hipbone with mummified tissues, C1-C5 with mummified tissues
KH08O0494	north-west corner	gray sand layer	150103	left tibia and fibula with mummified tissues
KH08O0584	access	white sand layer	150103	left humerus, left scapula, rib cage with mummified tissues, mummified tissues
KH08O0605	trench of west side of south wall	white sand layer	150103	right humerus with mummified tissues, mummified tissues
KH08O0627	eastern bevel	gray sand layer	150103	left foot bones with mummified tissues, left temporal bone
KH08O0639	KHT01 front of access	white sand layer	150104	rib cage with mummified tissues
KH08O0651	KHT01 front of access	white sand layer	150104	right foot bones with mummified tissues
KH08O0684	KHT01 front and west side	gray sand layer	150105	right humerus
KH08O0729	KHT01 front	white sand layer	150106	left femur with mummified tissues
KH08O0731	north-west corner	gray sand layer	150106	mummified tissues
KH08O0743	KHT01 front of access	white sand layer	150107	right ulna and radius with mummified tissues, artificial penis?
KH08O0775	north-west corner	gray sand layer	150107	skull fragments with mummified tissues
KH08O0807	north-west corner	gray sand layer	150108	thoracic vertebrae with mummified tissues
KH08O1532	front	collapsed bricks - white	150128	left tibia with mummified tissues, animal bone
KH08O0244	KHT01 front of access	gray sand layer	141224	, mummified tissues
KH08O1092	front	gray sand layer	150115	right hipbone with mummified tissues, right femur, lumbar vertebra, left hipbone with mummified tissues, right tibia, left metatarsal bone, left metatarsal bone, skull fragment, left radius with mummified tissues
KH08O1304	eastern bevel	gray sand layer	150122	frontal bone, left parietal bone, femur, 2 animal bones
KH08O1415	eastern bevel	gray sand layer	150125	right tibia, left ulna, right temporal, right scapula, ulna, 3 animal bones
KH08O0790	north-west corner	gray sand layer	150108	left foot bones with mummified tissues, sacrum, left talus, left femur, right femur, right femur, occipital bone, left fibula, right clavicle with mummified tissues, left parietal bone, right parietal bone, right metacarpal bone, left scapula, left temporal bone, 2 animal bones
KH08O1164	forecourt	white sand layer	150117	bone fragments
KH08O1372	eastern bevel	gray sand layer	150125	occipital bone, left maxillary bone
KH08O1377	front	gray - white	150125	1st cervical vertebra with mummified tissues, right talus
KH08O1383	front	gray sand layer	150125	left femur, thoracic vertebra, parietal bone
KH08O0458	KHT01 front of access	white sand layer	150101	left ulna, left humerus, right radius
KH08O1112	eastern bevel	gray sand layer	150114	thoracic vertebra, animal bone
KH08O0757	eastern bevel	gray sand layer	150107	left femur connected with one from O790, animal bone
KH08O1021	eastern bevel	gray sand layer	150112	right humerus, left femur connected with one from O757, left humerus, right humerus, sacrum with mummified tissues, right radius, animal bone, lump of linen
KH08O1117	eastern bevel	gray sand layer	150115	right femur, left parietal bone with mummified tissues, left hand bone, left rib, 3 animal bones
KH08O1010	forecourt	gray sand layer	150112	thoracic vertebrae, animal bone, lump of linen
KH08O1216	eastern bevel	gray sand layer	150119	right rib, 4 animal bones
KH08O1315	south of wall	white layer	150122	left femur (child), thoracic vertebra, thoracic vertebra, left rib, humerus, animal bone
KH08O1145	front	gray sand layer	150117	lumbar vertebrae with mummified tissues, lumbar vertebra
KH08O1344	eastern bevel	gray sand layer	150124	right humerus connected with O1021, bone fragments, animal bone
KH08O0857	north-west corner	white sand layer	150111	left femur with mummified tissues, right femur with mummified tissues, cervical vertebrae with mummified tissues, animal bone
KH08O1193	front	white sand layer	150118	cervical vertebra, frontal bone, lumbar vertebrae with mummified tissues, lumbar vertebra, left rib, left humerus, right femur, 4 mummified tissues
KH08O1107	front	gray sand layer	150114	left femur, animal bone
KH08O1265	front	white layer	150120	occipital bone, parietal bone, maxillary bone, animal bone
KH08O1269	east side	gray sand layer	150121	lumbar vertebra, bone fragments
KH08O1360	front	white sand layer	150124	skull fragments, occipital bone, right fibula, right hipbone, animal bone

表1 (続き) アル=コーカ地区 TT47 から出土した人骨・ミイラ・その他遺物の同定記録 (第9次調査)
Table 1 (continued) Inventory list of the human skeletal and mummified remains studied in the ninth season

Excavation Number	Place	Layer	Date	Identification
KH08O0839	eastern bevel	gray sand layer	150111	right tibia with mummified tissues, left femur connected with O790, left radius, left hipbone, right humerus, right clavicle, right tibia, hand bones, left metatarsal bone, lumbar vertebra, lumbar vertebra, animal bone
KH08O1278	front	white	150121	animal bone
KH08O1262	eastern bevel	gray sand layer	150120	2 animal bones
KH08O1207	front	white	150119	animal bone
KH08O1232	front	white sand layer	150119	2 animal bones
KH08O1527	front	collapsed bricks - white	150128	thoracic vertebra, animal bone, bone fragments
KH08O1294	front	white	150122	right scapula (child), right hipbone (child), left hipbone with mummified tissues (child), right femur (child), left femur with mummified tissues (child), ribs (child)
KH08O1064	forecourt	gray sand layer	150113	left hipbone with mummified tissues, left hipbone, right humerus with mummified tissues, bone fragments, animal bone
KH08O1460	front	gray - white	150126	animal bone
KH08O1252	front	gray	150120	sternum with mummified tissues
KH07O0366	TT47 inside of front room	gray sand layer	130107	sacrum (child), 5 animal bones
KH07O0420	TT47 inside of front room	gray sand layer	130109	right femur, mandible, right humerus (child), right ribs with mummified tissues, right tibia (child), left calcaneus, left foot bone, left foot bone, left metatarsal bone, right metatarsal bone, right metatarsal bone, right metatarsal bone, 3 animal bones
KH07O0420 +O0402	TT47 inside of front room	gray sand layer	130109	mandible connected with O420, C1, thoracic vertebra, C1, C2, left zygomatic bone, left temporal bone (child), thoracic vertebrae (child), left clavicle, right ulna, right metacarpal bones, left metacarpal bones, right metacarpal bone with mummified tissues, left foot bones, right foot bones, 6 ribs (adult and child), 3 animal bone with mummified tissues (natural?)
KH07O0367	TT47 inside of front room	gray sand layer	130107	mummified tissues
KH07O0364	TT47 inside of front room	gray sand layer	130107	2 animal bones
KH07O0291	TT47 inside of front room	gray sand layer	130107	left foot bones with mummified tissues
KH07O0395	TT47 inside of front room	gray	130108	right tibia, right foot bones, right hand bone, cervical vertebrae, occipital bone with mummified tissues, 3 animal bones, mummified tissues (animal skin?)
KH07O0342	TT47 inside of front room	gray sand layer	130107	2 animal bones
KH07O0003	3C-44	limestone	901212	torso with mummified tissues
KH07O0451	eastern bevel	gray sand layer	140108	left femur (child), 2 animal bones
KH07O0433	eastern bevel	gray sand layer	140107	left humerus with mummified tissues, skull fragment, 4 animal bones
KH07O0443	eastern bevel	limestonechips layer	140108	frontal bone, lumbar vertebra
KH07O0418	TT47 forecourt, west side of entrance in south wall	gray sand layer	140106	2 animal bones
KH07O0430	TT47 forecourt, south access	gray-white sand layer	140107	2 animal bones
KH07O0393	TT47 forecourt, access point of entrance	gray sand layer	140106	mandible, occipital bone, animal bone, lump of linen
KH07O0403	TT47 forecourt, access point of entrance in south wall	gray-white sand layer	140106	right scapula and humerus with mummified tissues, cervical vertebra, 2nd-9th thoracic vertebrae, thoracic vertebrae, right rib with mummified tissues, animal bone
KH07O0426	eastern bevel	gray sand layer	140106	animal bone
KH07O0207	TT47 forecourt, access point of entrance	gray sand layer	140101	frontal and left parietal and right parietal bones, C2, right ribs, 3 animal bones
KH07O0361	TT47 forecourt, west side of entrance in south wall	gray sand layer	140105	left femur with mummified tissues (child), left tibia with mummified tissues (child), left fibula with mummified tissues (child), left maxillary bone (child), right foot bones with mummified tissues, 2 animal bones
KH07O0405	TT47 forecourt, access point of entrance in south wall	gray sand layer	140106	left hand bones with mummified tissues, mandible with mummified tissues, left temporal bone
KH07O0357	TT47 forecourt, access point of entrance in south wall	gray sand layer	140105	frontal bone, right humerus, left humerus with mummified tissues, left parietal bone, 6 animal bones, bone fragments, mummified tissues
KH07O0407	TT47 forecourt, west side	gray sand layer	140106	right hipbone, lumbar vertebrae

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Table 1 (continued) Inventory list of the human skeletal and mummified remains studied in the ninth season

Excavation Number	Place	Layer	Date	Identification
KH07O0395	TT47 forecourt, access point of entrance in south wall	limestonechips layer	140106	right parietal bone, 5 skull fragments, frontal bone (child), left maxillary bone, right metacarpal bone, left fibula, right radius, 2 animal bones, 2 bone fragments
KH07O0273	TT47 forecourt, access point of entrance in south wall	gray sand layer	140102	left parietal bone, sphenoid bone (child), right clavicle with mummified tissues, right femur, animal bone
KH07O0289	TT47 forecourt, access point of entrance in south wall	gray-white sand layer	140102	right hipbone, right femur with mummified tissues, left scapula with mummified tissues, 7 animal bones, 2 bone fragments, lump of linen
KH07O0312	TT47 forecourt, access point of entrance in south wall	gray-white sand layer	140104	cervical vertebrae, mandible with mummified tissues, right maxillary bone, 3 skull fragments, right tibia, right fibula, bone fragments, animal bone
KH07O0399	TT47 forecourt, access point of entrance in south wall	gray sand layer	140106	occipital bone, animal bone
KH07O0352	TT47 forecourt, west side of entrance in south wall	gray sand layer	140105	right femur with mummified tissues
KH07O0186	TT47 forecourt, access point of entrance in south wall	gray sand layer	131231	right humerus with mummified tissues (child), sacrum (child), right radius, 7 animal bones
KH07O0251	TT47 forecourt, access point of entrance in south wall	gray-white sand layer	140102	right parietal bone, calcaneus with mummified tissues
KH07O0177	TT47 forecourt, access point of entrance in south wall	gray sand layer	131231	left fibula, 2 animal bones
KH07O0158	TT47 forecourt	gray sand layer	131230	left tibia, animal bone
KH07O0147	TT47 forecourt, under slope		131230	3 animal bones
KH07O0015	TT47 forecourt	gray sand layer	131224	right femur, left talus with mummified tissues, thoracic vertebra, right calcaneus, skull fragment (some pathological changes), left foot bone (child), right temporal bone with mummified tissues, 11 animal bones
KH07O0321	TT47 forecourt, access point of entrance in south wall	gray sand layer	140104	skull fragment (some pathological changes), 2 frontal bones, left parietal bone, occipital bone with mummified tissues, left temporal bone with mummified tissues, left maxillary bone, 2 mandibles, C1, 2 left ribs with mummified tissues, right scapula, right metacarpal bone with mummified tissues, left tibia with mummified tissues, right talus, left calcaneus with mummified tissues, left foot bones with mummified tissues, left femur, bone fragments
KH07O0195	TT47 forecourt, inside the entrance	limestonechips layer	131231	right tibia, right talus, right humerus, left calcaneus, animal bone, bone fragments
KH07O0106	TT47 forecourt	gray sand layer	131229	left femur, occipital bone, left femur, right femur, 5 animal bones
KH07O0170	TT47 forecourt	limestonechips layer	131230	2 animal bone with mummified tissues (natural)
KH07O0069	TT47 forecourt	gray sand layer	131226	lumbar vertebra with mummified tissues, left tibia, 1st thoracic vertebra, thoracic vertebra, lumbar vertebra, left femur, 4 animal bones
KH07O0157	TT47 forecourt, under slope	gray sand layer	131230	left femur, thoracic vertebrae with mummified tissues, right calcaneus with mummified tissues, left calcaneus, 6 animal bones
KH07O0333	TT47 forecourt, access point of entrance in south wall	gray-white sand layer	140104	right tibia and fibula with mummified tissues
KH07O0101	TT47 forecourt	limestonechips layer	131229	right humerus, radius and ulna with mummified tissues
KH07O0348	TT47 forecourt, access point of entrance in south wall	gray-white sand layer	140105	frontal bone with mummified tissues, left femur, left femur, right femur, left rib, right rib, 3 animal bones, lump of linen
KH07O0038	TT47 forecourt	gray sand layer	131225	right femur with mummified tissues, thoracic vertebra, right humerus, left foot none, right rib, left foot bone, left rib, 5 animal bone
KH07O0045	eastern bevel	gray sand layer	131225	left femur, cervical vertebra, left foot bone, left tibia, 2 animal bones
KH07O0005	TT47 forecourt	gray-white sand layer	131223	right femur, left femur with mummified tissues, left femur, right tibia, right parietal bone, left parietal bone, frontal bone, left temporal bone, occipital bone, occipital bone, left hipbone (child), 5 skull fragments with mummified tissues, animal bone, lump of linen

表1 (続き) アル=コーカ地区 TT47 から出土した人骨・ミイラ・その他遺物の同定記録 (第9次調査)

Table 1 (continued) Inventory list of the human skeletal and mummified remains studied in the ninth season

Excavation Number	Place	Layer	Date	Identification
KH07O0088	eastern bevel	limestonechips layer	131228	right tibia with mummified tissues, right temporal bone with mummified tissues, right ulna with mummified tissues, 1st thoracic vertebra, thoracic vertebra with mummified tissues, right metatarsal bone, right foot bone
KH07O0080	TT47 forecourt	gray sand layer	131228	occipital bone with mummified tissues, left tibia, right tibia, left femur, 2 bone fragments, right metatarsal bone, left parietal bone, lumbar vertebra, right rib, 2 animal bones
KH07O0102	TT47 forecourt	limestonechips layer	131229	left parietal bone, right femur
KH07O0117	TT47 forecourt, inside the entrance	gray sand layer	131229	right parietal bone with mummified tissues (child)
KH07O0020	eastern bevel	gray sand layer	131224	2 animal bones
KH07O0257	TT47 forecourt, inside the entrance	gray sand layer	140102	right fibula with mummified tissues, left scapula, left rib, right tibia

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