



KNK 4201. Excavations at the cemetery at Garðar, Igaliku, 2021.

MAY 2 2022

WP 3.1. Human experiences: health, well-being and trade-offs

Authored by: Dorthe Dangvard Pedersen, National Museum of Denmark and Department of Forensic Medicine, University of Copenhagen; Jette Arneborg, National Museum of Denmark, Frederikke Reimer, National Museum of Denmark and Rikke Dahl Olsen, National Museum of Denmark.



Activating Arctic Heritage



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1. Introduction

In July and August 2021, an archaeological excavation was conducted at the northeastern corner of the cemetery surrounding the Norse cathedral at Garðar, present village of Igaliku in South Greenland. These investigations were performed in continuity of an excavation initiated in 2019 (Arneborg et al. 2020). The 2019 excavation was a collaboration between Greenland National Museum's Arctic Vikings Field School, National Museum of Denmark and Department of Forensic Medicine, University of Copenhagen, and involved 13 students participating in the field school as well as researchers from Greenland National Museum and Archives (NKA), University of Bergen, Université Paris 1 Panthéon-Sorbonne, University of Iceland and the National Museum of Denmark. Senior researcher Jette Arneborg, National Museum of Denmark, directed the cemetery excavation.

The archaeological investigations in 2019 and 2021 contribute to the project '*Human Experiences in Norse Greenland: Health, Well-being and Trade-offs*', headed by senior researcher Jette Arneborg, National Museum of Denmark and Professor Niels Lynnerup, Department of Forensic Medicine, University of Copenhagen. This project is a work package part of the Carlsberg Foundation funded project *Activating Arctic Heritage* (PIs Bjarne Grønnow and Christian Koch Madsen). In the work package complex relations of the Norse in Greenland and their shifting lifeways under changing environmental, social and economic frameworks are studied. The Norse introduced solutions and trade-offs to maintain social sustainability and certain levels of well-being in the harsh environment and during times of changes. Consequences of such are in the work package investigated through archaeological and biological-anthropological data from cemeteries dated throughout the Norse settlement period in Greenland c. 1000 to mid-1400s AD.

Garðar (E47) was an important Norse location. This seat of the Norse Greenland bishop was a comprehensive building complex with dwelling house, byres and barns as well as the cathedral and cemetery that were larger than those found in any of the other sites in the Norse settlement areas. All indicating a place far from an ordinary parish site. Archaeological investigations of the site were conducted since the 1830s. The most comprehensive investigations took place in 1926 directed by Poul Nørlund.

Considering the nature of Garðar it is of great interest to have more of the cemetery investigated to get more detailed and valuable insights into among others cemetery topography and more precise dating of its use. Furthermore, recovering more skeletons will enable more insights into the health and demographic structure of the population of the area through biological anthropological analysis. Such insights will contribute data to the more extensive archaeological and biological-anthropological studies of the Norse population as part of the Activating Arctic Heritage workpackage.

Therefore, after a year of lockdown and covid-19 restrictions an excavation was conducted in the summer of 2021. The purpose was to continue the excavations at the cemetery initiated in 2019, excavate the same area and ideally empty the trench to subsoil. This report presents the results of the 2021 archaeological excavation of the Norse cemetery in Igaliku, the bishop see in Garðar that took place between 28. July and 10. August 2021.

2. Participants



Figure 1. The 2021 Igaliku excavation team. From left Birte Olsen, Frederikke Reimer, Avaaraq Bendtsen Ottosen, Dorthe Dangvard Pedersen and Rikke Dahl Olsen.

Excavation team:

Name	Affiliation
Avaaraq Bendtsen Ottosen	NKA
Birte Olsen	NKA
Dorthe Dangvard Pedersen	National Museum of Denmark and Department of Forensic Medicine, University of Copenhagen
Frederikke Reimer	National Museum of Denmark
Rikke Dahl Olsen	National Museum of Denmark

Additional persons:

Name	Affiliation	Period	Task
Berit Christensen	Topas hiking tourist	30 July	Volunteer excavator
Helle Sehested	Topas hiking tourist	30 July	Volunteer excavator
Suuluaraq Motzfelt	UNESCO site guide	10 July – 11 August	Contact to locals, dissemination
Anna Vebæk Gelskov	University of Copenhagen	31 July – 5 August	Volunteer excavator
Anne Mette Randrup Jørgensen	National Museum of Denmark	4 – 11 August	Observation, dissemination
Peter Steen Henriksen	National Museum of Denmark	4 – 9 August	Soil drill and soil sampling
Cathrine Jessen	National Museum of Denmark	4 - 9 August	Excavator, soil sampling
Hans H. Harmsen	NKA	7 August	Excavator
David Heilmann Ottosen	NKA	7 August	Drone recordings
Christian Koch Madsen	NKA	7 – 9 August	dGPS recordings
Jørgen Hollesen	National Museum of Denmark	7 – 10 August	Drone recordings, temperature monitoring equipment
Gorka Mendigure Gonzalez	National Museum of Denmark	7 – 10 August	Drone recordings

3. Field Diary

Anna Vebæk Gelskov (AVG), Anne Mette Randrup Jørgensen (AMRJ), Avaaraq Bendtsen Ottosen (ABO), Birte Olsen (BO), Berit Christensen (BC), Catherine Jessen (CJ), Christian Koch Madsen (CKM), David Heilmann Ottosen (DHO), Dorthe Dangvard Pedersen (DDP), Frederikke Reimer (FR), Gorka Mendigure Gonzalez (GMG), Hans H. Harmsen (HHH), Helle Sehested (HS), Jørgen Hollesen (JH), Peter Steen Henriksen (PSH), Rikke Dahl Olsen (RDO), Suuluaraq Petersen Motzfeldt (SPM),

Date	Activities
20-07-2021	DDP, FR, RDO arrived in Narsarsuaq
20-07-2021 – 27-02-2021	DDP, FR, RDO quarantine in Narsarsuaq
27-07-2021	DDP, FR, RDO arrived in Igaliku. Settled in Malene and Kaava's house
28-07-2021	Excavation day 1. DDP, FR, RDO. Got ATV from Miki's barn. Picked up equipment from storage next to the store. The excavation camp was set up. Tried to locate the position of the 2019 trench. Started removing turf. Weather: Cloudy.
29-07-2021	Excavation day 2. DDP, FR, RDO. Began removing turf and soil in assumingly the 2019 trench SW corner. Located tape and plastic covers from 2019 trench. Weather: cloudy in the morning. From ca.10 o'clock sunny.
30-07-2021	Excavation day 3. DDP, FR, RDO. Help from volunteers BC and HS. Finished removing soil to the bottom of the 2019 trench. Plastic covers and tape was removed and found the uncovered skeletal remains from 2019 in bone heap E, and graves D and G. Weather: Very windy – foehn wind.
31-07-2021	Excavation day 4. AVG, DDP, FR, RDO. RDO started rinsing and removing soil around bones in bone heap E. FR started removing soil in the NW corner of the trench (section A1) and found a few loose bones. AVG started removing soil south of FR (section A2) found loose mandibula from younger adult (X106) and articulated left femur and tibia (grave J). DDP in section B3 found differing fill indicating graves – see sketch plan from scanned field diary. Found articulated bones (grave H) and long bones in grave north of grave H (grave I). Weather: Sunny and warm
01-08-2021	Day off. Weather: Strong wind – foehn wind and rainy.
02-08-2021	Excavation day 5. AVG, DDP, FR, RDO. BO and ABO arrived. RDO went on ATV to pick up Birte and Avaaraq in Itelleq at 12.30. RDO removed bones in heap E and found a well preserved skull that likely belong to skeleton in grave D. FR started excavating lower legs in grave I. Found lower legs of another individual beneath grave I (grave Z). AVG finished grave J that is cut mid femora by the western margin of excavation trench, will not lift. AVG started removing soil north of grave J in section A2. Found feet just by the edge of the western margin of excavation trench (grave K), will not lift. DDP excavated the lower body in grave H and started removing soil in the upper body region (section A3) Weather: Cloudy in morning. Sunny in afternoon after 15.
03-08-2021	Excavation day 6. ABO, AVG, BO, DDP, FR, RDO. FR and ABO continued removing soil in section A3 on top of grave I and H. Found bone heap N. BO found grave M with wooden coffin, which is partly covered by grave D and G. Therefore, BO started helping RDO. They removed bones in bone heap E and found an additional skull probably belonging to the skeleton in grave G. Took soil samples and registered grave D. AVG recorded grave K (feet in margin of western trench border) and found skull, shoulder and humeri east of feet (grave P). DDP began excavating in NW corner and found skull in northern trench boundary, likely belong to in situ skeleton (grave L), will not lift. Furthermore, found lower body between AVG and the skull in the northern trench (grave O). Weather: Cloudy no wind in morning. Rain after lunch.
04-08-2021	Excavation day 7. ABO, AVG, BO, DDP, FR, RDO. PSH's team stopped by in morning with soil drill. Found ca. 40 cm grave fill in NE corner and ca. 60 cm in SW corner. FR and ABO rinsed heap N, registered the feature and started to move bones. BO and RDO excavated the bones in grave D, drew, recorded and collected bones from the skeleton. They proceeded to excavating grave G and found assumed foot stones (see notes in scanned field diary). AVG continued excavating grave P and found it was cut just under pelvic area of grave Q. DDP excavated and recorded grave O, will not be lifted. The weather forecast reported rain the next days so had a solid tent frame put up on top of trench doing the evening. The purpose was to use own tarp as cover when raining. Weather: Sunny in morning, cloudy after lunch at 14. Rain until 17.
05-08-2021	Excavation day 8. ABO, AVG, BO, DDP, FR, RDO. Had an announced open excavation day. Birte's birthday. BO and RDO finished excavating and registration of grave G. They lifted the skeleton and found long bones underneath. AB and FR removed remains in heap N and found a tibia and fibula in anatomical

	<p>correct position and likely remains of a disturbed grave (grave AA). They moved on to excavating grave H and I and found a skeleton west of and above grave H only preserved from pelvic area to the knee area (grave R). AVG excavated grave Q. DDP drew T3 – plan of graves J, K, P, Q, O. Celebrated Birte in the evening. Weather: Cloudy, rain from late afternoon and all evening.</p>
06-08-2021	<p>Excavation day 9. ABO, BO, DDP, FR, RDO. Help from CJ. A lot of visitors among them journalists from Berlingske Tidende and UNESCO manager Alibak Hard. AAH project members from NKA and National Museum of Denmark arrived late in afternoon. Left bones for drying on tarp during the dry morning and noon – worked well. CJ and RDO found two individuals underneath grave G and D. The bones were poorly preserved but two sets of legs and one upper body that is missing left side chest and skull. RDO and CJ further removed soil in areas in eastern area of trench. RDO later began packing bones that had been lifted. BO and DDP removed soil west of grave M to get to upper body. Found area with a humerus and chest area preserved (grave S). DDP further excavated in the grave Q area. Weather: Sunny</p>
07-08-2021	<p>Excavation day 10. ABO, BO, DDP, FR, RDO. Help from HHH. Many visitors during the morning. DHO did drone recordings, CKM did dGPS recordings. ABO and FR excavated heap T. Found a skull that likely are in situ and belong to a grave (grave U). BO and RDO excavated grave M. DDP registered and lifted bones in grave P. HHH joining at 14:30 and started excavating in the area of graves V and W. Weather: Sunny in morning, cloudy at 10-11. Heavy rain at 14.</p>
08-08-2021	<p>Excavation day 11. ABO, BO, DDP, FR, RDO. UNESCO day 14:00 – 16:00. Many visitors A rather slow day did not progress much as preparations for UNESCO day. ABO and FR finished heap T and grave I, BO prepared grave M for registration and photo. RDO cleaned and registered graves X and Y. DDP excavated in the area of graves V, W and Q. Weather: cloudy, calm wind and rain. From 16 sunny.</p>
09-08-2021	<p>Excavation day 12. ABO, BO, DDP, FR, RDO. Visit from Ivars Silis who interviewed DDP and took pictures of the bones and excavation. ABO and FR registered graves Z, R, H and lifted bones in grave Z. RDO finished grave X. RDO and BO drew grave V and W. BO finished cleaning of grave M for registration and photos. DHO did drone recordings again after more skeletons had been uncovered. Weather: Sunny</p>
10-08-2021	<p>Excavation day 13. BO, DDP, FR, RDO. ABO left. Last excavation day. JH and GMG did drone recordings and set up equipment for temperature monitoring up in the NE corner of the trench, it will provide data every second hour. BO finished grave M. FR finished graves H and R. DDP and RDO finished graves V, W and Q got help from BO and SPM. They found an additional grave AD when grave W was excavated. RDO and FR packed bones that had been lifted. DDP measured the trench according to the foundation of the cathedral and stone used as fix point for leveling. All bones left were covered by plastic and the trench margins were marked with tape. The excavation camp with tent and equipment was packed and along with the packed bones transported to the house for repacking. Weather: Sunny</p>
11-08-2021	<p>Packed equipment and bones in alu boxes ready for shipment with PSH's equipment after his excavation is finished. BO and DDP left for Narsarsuaq at 10. RDO, FR. Help from AMRJ and SM. Backfilling of soil to trench. Weather: Sunny</p>
12-08-2021	<p>RDO, FR. Help from SM. Backfilling and reestablishing of turf in trench. RDO and FR will join PSH's team and continue working on his excavation. Weather: Sunny</p>

4. Background

Garðar, the seat of the bishop of the Norse Greenlandic settlement, is located in the Norse Eastern Settlement area and in one of five areas that make up the Kujataa UNESCO world heritage area in South Greenland (figure 2). The site is located in the present Igaliku settlement at the head of Igaliku fjord (Igalikup Kangerlua) (figure 3). The ruins of the cathedral and the Norse bishop's farm lies south of the present village on a slightly sloping coastal plain surrounded by mountains towards south and west.



Figure 2. Map of the central Kujataa area with indication of the areas and Norse sites UNESCO world heritage list.

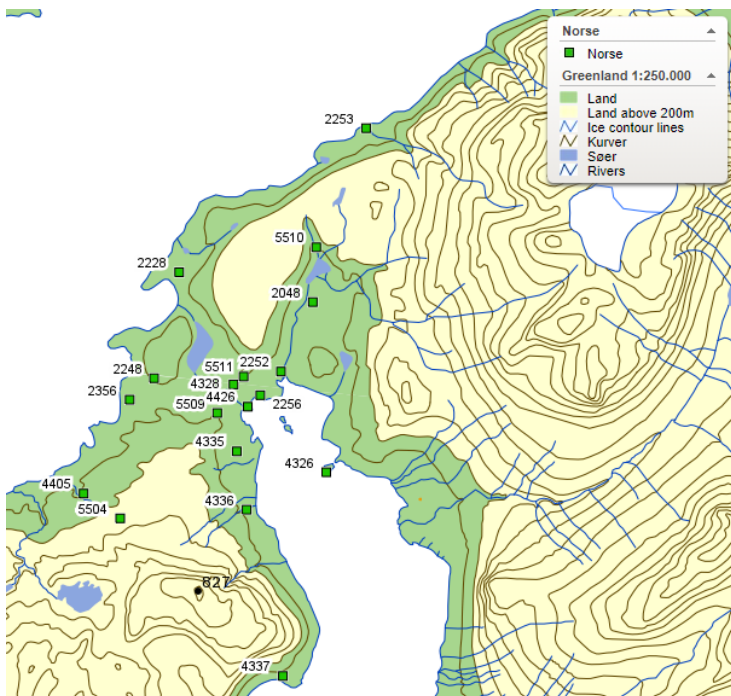


Figure 3. Map of the Igaliku area. The numbers refer to Norse protected heritage sites. NKAH 4335 is the Garðar cemetery site. Greenland 1:250.000 Maps: © Asiaq. Archaeological data: © NKA.

4.1. Environmental context

The subarctic, subcontinental climate in the inner fjords of South Greenland, contrary the predominantly arctic climate elsewhere in Greenland, make it possible to carry out pasture farming

to maintain an economy based upon animal husbandry. This has through the past 1,000 years of human activities in the area resulted in the development of a subarctic farming landscape sculptured by the Norse and later continued and further developed by modern farmers. Norse subsistence economy in the Eastern settlement was based upon animal husbandry and hunting divided roughly evenly at least in the first generations of settlers (McGovern 1985). Paleoenvironmental studies of drainage ditches close to the settlement ruins has revealed that the Norse practiced manuring of fields with waste from houses and byres (Buckland et al. 2008). The fields were fertilized to increase yields of hay that would provide winter fodder for the large herd of cattle housed in the large byres. The same study also found evidence of irrigation channels and dams for water resources to ensure good yields of hay. Several marine geophysical surveys using side-scan sonar have been conducted (Kuijpers et al. 1999, Wilken et al. 2019), however, with different results. The study by Kuijpers et al. (1999) provided evidence of a gradual loss of useful land areas due to extensive sea-level rise during the Norse settlement period as they found that the coastal regression in Igaliku fjord amounted to a distance of more than 100 m during the last ca. 1000 years. A more recent study however found a ca. 2 m rise in sea level in the Igaliku fjord since the beginning of the Norse settlement (Wilken et al. 2019). This changed the coastline but likely did not impact the fertile land resources much as the loss of land was limited to about 6 ha of more than 350 ha available land. Another climatic change that could have put stress on grass cultivation and thus the possibility of producing winter fodder for the animals are seasonal dryness which recently from studies of pollen cores in lakes has been demonstrated as an important explanatory factor impacting the Norse subsistence economy (Zhao et al. 2022). The Norse needed other subsistence strategies to maintain their lifestyle and more attention was put on exploiting local animal resources for food. The zooarchaeological records from eastern settlement middens demonstrate this shift where the proportion of local marine animals such as seal increase compared to terrestrial domesticated animals towards more marine animals (McGovern 1985). Furthermore, stable isotope analysis of human bones also including skeletons from the cemetery at Garðar provide evidence of a change towards a more marine animal based diet from the 1200s (Arneborg et al. 2012). So though the large byres and barns at Garðar indicate great reliance on animal husbandry, here as well climatic shifts likely changed the subsistence strategy.

4.2. Archaeological context

Garðar cathedral and cemetery have been surveyed and excavated several times during the past centuries, both by professional archaeologists and amateurs (see overview in Arneborg et al. 2020). Despite the great excavation activity, the surveys, at least of the cemetery, were not very well-documented. Remains of only 20 skeletons have until the excavations in 2019 been recovered from the site. That is out of an unknown number of skeletons excavated but more than 2,000 potential burials at the site as estimated by Lynnerup (1998). During the extensive archaeological investigations by Poul Nørlund and Aage Roussell in 1926 an accurate map of the complex of the bishop's seat and the cathedral were drawn (figure 4). They excavated several areas of the cemetery and within the cathedral. It was during these investigations that a bishop's grave was found within the northern chapel of the cathedral (Nørlund and Roussell 1929). The cathedral was erected sometime in the first half of the 12th century, and according to Nørlund and Roussell (1929) it likely had older predecessors. Bones of two of the skeletons excavated in 2019 were ¹⁴C dated. One likely died in the mid 1300s and the other in the first half of the 1400s. This confirms the archaeological sources of a likely use of the cathedral and cemetery until ca. 1450 close to the time of the abandonment of the Norse settlement.

After the Norse disappeared, the Igaliku area were inhabited on and off by Thule Culture populations traced archaeologically through burials and seasonal settlements (Kapel 1993). From 1783, when Norwegian Anders Olsen and his family arrived, the area was permanently settled, farming were reestablished and houses were built using stones from the Norse ruins.

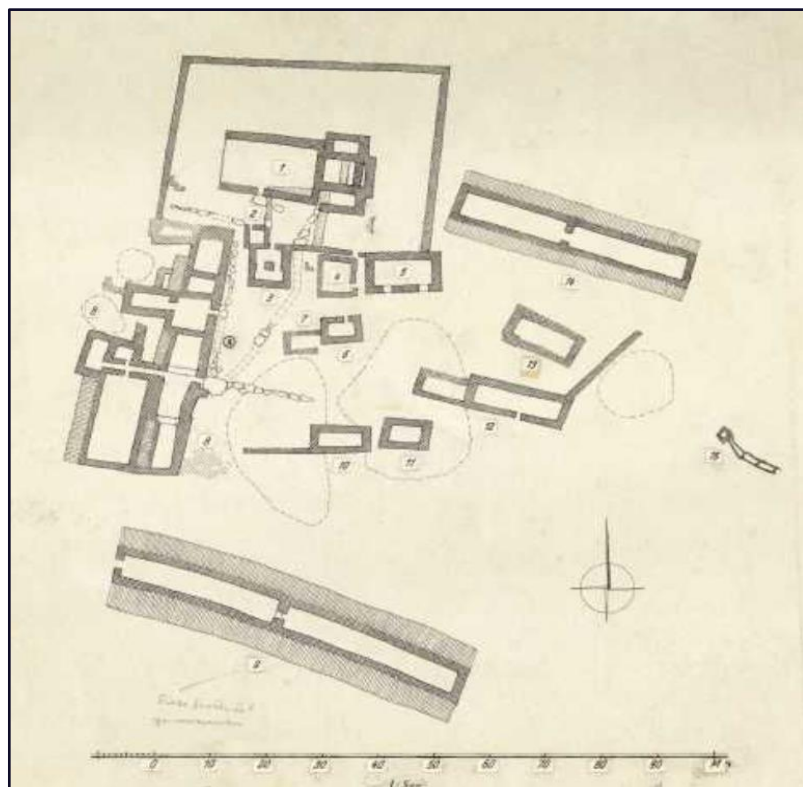


Figure 4. Map of the Bishop's residence complex including the cathedral (the most northern building structure marked with the number 1) and surrounding cemetery. Map by Aage Roussel 1928.

4.3. Historic context

The historical sources that mention the Norse site of Garðar are mainly linked to the seat of the bishop. The site is mentioned in *Grænlandinga saga* written down in *Flateyjarbók* 1382 – 1395. The saga is based on oral tradition about the settlement of Greenland in the late 900s. According to the tradition Einar took the fjord which he subsequently named after himself. Einar's fjord is identified with the Igaliku fjord, and probably Einar built the first Garðar farm. Also, according to *Grænlandinga saga* Freydis, the daughter of Eric the Red owned the farm around the time of the Vinland voyages. When ordained in 1124 according to *Grænlandinga þátr* the newly appointed bishop Arnald, Norwegian by birth, created his episcopal see at the farm Garðar and moved in (Bekker-Nielsen 1982). Bishops were appointed to Greenland until the Protestant Reformation in 1536. However, Alf, bishop in Greenland 1368 – 1378 (ordained in 1365 but arrived in 1368), was the last bishop who resided at Garðar.

In his *Greenland Description* from the late 1300s the Norwegian priest Ívar Bárðarson described Gardar as a large farm that owned all land in Einar fjord (i.e. Igaliku fjord), other farms and a large forest included. The episcopal see also had the rights to exploit resources other places such as fish from fishing lakes, soapstone, reindeer and, on the East coast of Greenland, polar bears (Jónsson 1930).

The last written evidence of life in the Norse Eastern settlement was committed to paper at Garðar in 1409 when the Greenlandic priests Eindriði Andrésón and Páll Hallvarðsson certified the wedding between the Icelandic couple Þorstein Ólafsson and Sigríð Björnsdóttir who were married

at The Hvalsey fjord church in 1408 (Halldórsson 1978:143). The historical records are silent until the arrival of Anders Olsen in 1783.

4.4. The 2019 Investigation

In 2019, two trenches were opened at the cemetery surrounding the cathedral in Garðar (Arneborg et al. 2020). The trenches were opened in areas that likely would contain undisturbed cemetery soil at least as evident from the pictures and descriptions from the excavations in 1926.

A small trench north of the cathedral was opened and only modern artefacts were found. No structures could be associated with Norse cemetery cultural layers. A second trench was opened, in the northeastern corner of the cemetery covering 12 m², 5 m south to north and 3 m east to west, where it was widest. Half of the trench was found to be disturbed by modern fill. The undisturbed cemetery area covered approx. 6 m² and here remains of seven individuals in situ in graves alongside commingled bones were found. Bones from five primary individuals in graves (A1, A2, B, C and F) and three extra individuals were collected. Skeletal remains in two graves (D and G) and in one bone heap (E) were left behind. The trench was not excavated to sterile layers of subsoil and the non-lifted remains were covered with plastic, the trench was backfilled and the turf was replaced.



Figure 5. 3D model constructed from drone recordings showing the site of the Garðar cathedral and the 2021 excavation trench in the right upper corner located NE of the cathedral foundations (within the red circle). 3D model: Jørgen Hollesen and Gorka Mendigure Gonzalez, National Museum of Denmark

5. 2021 Investigations

The archaeological investigation in 2021 was set out to reopen and further excavate the trench from 2019 in the northeastern corner of the cemetery (figure 5). The site datum (0-stone) positioned at N 67.61454°, E 47.7124° of the 2019 excavation was reused in 2021.

5.1. Methods

The position of the trench from 2019 was located by use of photos from the excavation to determine the distance from 0-stone, the northeastern corner of the cathedral and a bench to the sides and corners of the trench. Once approx. located, the turf and backfill from 2019 were removed in an area covering 3*4 meters. The graves left from the 2019 excavation were covered with plastic and the trench border marked with tape in the bottom of the trench which made the emptying of the 2019 trench easy when first identified. The position of the 2021 trench compared to the trench from 2019 is seen on the map of figure 6. The northern part of the 2019 trench was not opened as no bones had been observed in this area during the 2019 excavation. However, the 2021 trench involved a southwestern corner, measuring 1*2 meter that was not opened in 2019. The 2021 trench was divided into sections measuring 1*1 meter as sketched in figure 7. The purpose was to be able to assign a context to findings of commingled bones and objects that could not be associated with a feature – either grave or bone heap.

Grave and bone heap features were assigned a letter starting from H following the registrations in 2019. Collective bone findings as found in bone heaps, or as commingled in the fill of graves as well as skeletons in situ in graves were assigned an X number beginning with X100 to avoid overlap with the X numbers assigned the findings during the 2019 excavation. Loose findings – bone or other objects with no feature context were registered according to the section they were found in following the outline as sketched in figure 7 and was also assigned an X-number from the find list. The findings are listed in appendix A and the features are listed in appendix B.

Skeletons that were lifted and had bone assessed as well enough preserved for later sampling also had soil sampled. Additionally, wood preserved in grave M was sampled. Samples were assigned S numbers and are listed in appendix E.

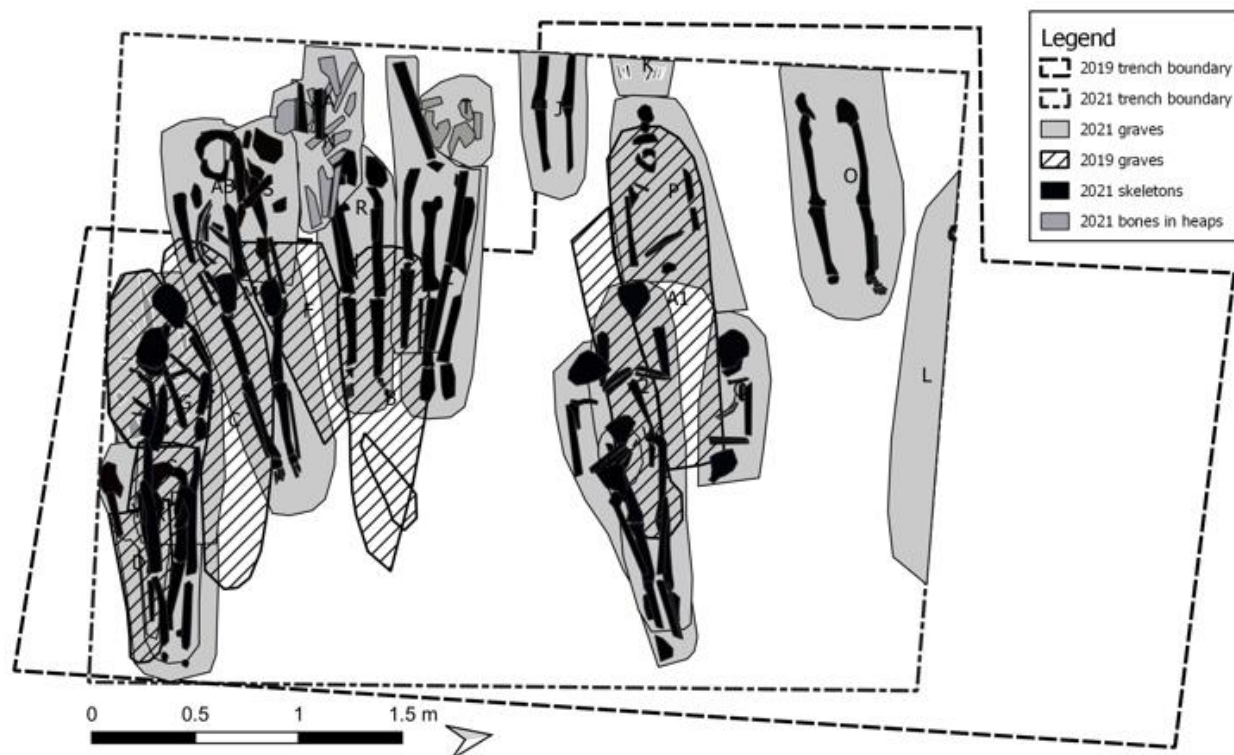


Figure 6. Map of the 2019 excavated trench and features and the 2021 excavated trench, features and skeletons. Map by Dorthe Dangvard Pedersen

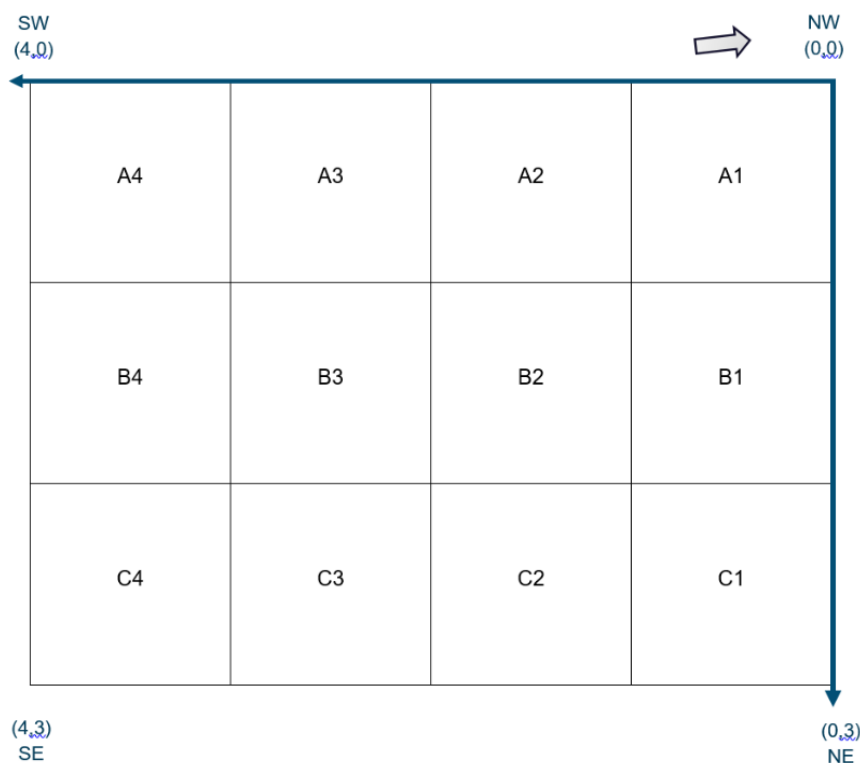


Figure 7. Sketch of the excavation trench with coordinates and directions of trench corners and division in sections.

5.2. Measuring system

The measuring system was set up according to a coordinate grid where the (0,0) coordinate point was placed in the NW corner of the trench (figure 5). The horizontal x-axis increased towards south and the vertical y-axis increased towards east.

In the absence of on-site GPS equipment graves, bone heaps and their contents were drawn according to the coordinate grid measuring system. The position of loose bones and other objects without a provenience were marked on a drawing. The drawings were assigned T numbers starting at T20 to be able to distinguish from the drawings produced during the 2019 excavation. A list of the drawings is found in appendix C.

The level of the bottom of the graves and the top point (often the skull) were measured with leveling equipment relative to the site datum (0-stone).

The corners of the trench and the grid coordinates for each meter were measured with dGPS by Christian Koch Madsen (NKA). The trench was drone recorded by David Heilmann Ottosen (NKA) to be able to use photogrammetry for GIS registration of the excavation (figure 8). The GIS data were managed in QGIS and here the drawings of the skeletons were georeferenced and used with drone recordings for photogrammetric reconstruction of the trench as seen in figures 6 and 9.



Figure 8. Drone image of the 2021 excavation trench recorded on 7. August. The graves already lifted and those excavated within the time period 7. – 9. August are not featured. Image by: Christian Koch Madsen and David Heilmann Ottosen, NKA.

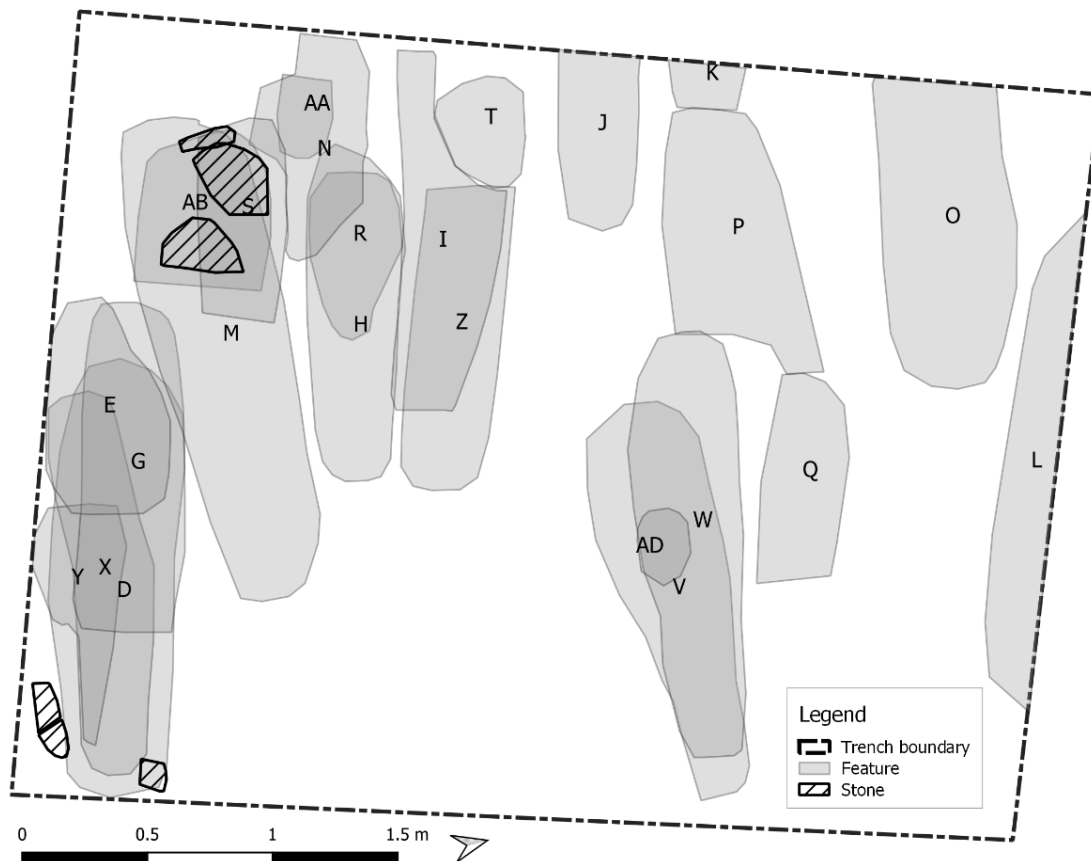


Figure 9. Map of the features of the 2021 trench. Map by Dorthe Dangvard Pedersen.

5.3. Features

Twenty-six features were excavated during the archaeological investigation (figure 7). Three of these (one bone heap and two graves) were found in 2019 but the excavation and lifting of remains were done in 2021. Of the 23 remaining features, two were bone heaps, three were likely graves and 18 were graves. Excavation, registration and lifting of bones was not finished for eight of the 23 features either because they were located partly beneath the trench borders or because they were found at the deepest layers and on the final days of the excavation. This include graves J, L, K, O and AA and assumed graves U (skull), AB (feature with large stones) and AC (skull).

Grave D, skeleton X49. Lower body excavated during the 2019 excavation. Additionally, a well-preserved skull and poorly preserved upper body was found when the bones of heap E were removed. The skeleton is the top layer in four stratigraphic connected graves that seem to have been buried in the same burial pit.

Stratigraphic relations: Below bone heap E. Above graves G, X and Y.

Male, 28-40 years.

Right femur measured in grave: 50 cm

Stature measured in grave: 164 cm

Arm position: Left: ? Right: ?



Figure 10. Grave D, X49. The skeleton in the grave (left) and the bones after cleaning (right).

Bone heap E, X105 and X115. The disarticulated bones (X105 and X115) are randomly dispersed in the pit. Found during the 2019 excavation. The bones may belong to the skeletons in graves D, G, X and Y.

Stratigraphic relations: Above graves D, G, X and Y.

Remains of three individuals: Male 45-70 years, likely male 30-60 years and female 35-65 years.



Figure 11. Bone heap E, X105 and X115. The bones in the heap (left) and the bones after cleaning (right).

Grave G, skeleton X135. Lower body excavated during the 2019 excavation. Additionally, a skull and poorly preserved upper body was found when bones of heap E and skeleton in grave D were removed. Located just beneath the skeleton in grave D. Stratigraphic relations: Below heap E and grave D. Above graves X and Y. Male 55-70 years. Right femur measured in grave: 41 cm Stature calculated from femur: 153.2 cm +/- 4.3 Arm position: Left: D Right: ?



Figure 12. Grave G, X135. The skeleton in the grave (left) and the bones after cleaning (right).

Grave H, skeleton X108. Well-preserved bones but partly preserved skeleton from above pelvic area and downwards. Stratigraphic relations: Below heap N, graves R and AA. Above grave AC. Male 30-40 years. Left femur measured in grave: 46 cm Stature calculated from femur: 164.8 cm +/- 4.3. Arm position: Left: ? Right: ?



Figure 13. Grave H, X108. The skeleton in the grave (left) and the bones after cleaning (right).

Grave I, skeleton X118. Torso, left arm and upper pelvic area cut by bone heap T. Charcoal (X120, X143), loose tooth (X119), pieces of burnt bone (X152) and possible grindstone fragment (X153) in grave fill. Stratigraphic relations: Below heap T, above graves Z and U. Likely female 50-70 years. Arm position: Left: ? Right: B/C



Figure 14. Grave I, X118. The skeleton in the grave (left) and the bones after cleaning (right).

Grave J, skeleton X116. Skeleton excavated from middle part of femora and towards the feet. Pelvic area and upper body are likely present underneath the western trench border. Loose tooth (X117) found in fill. NOT LIFTED. Stratigraphic relations: None



Figure 15. Grave J, X116. The skeleton in the grave.

Grave K, metatarsal bones X123. Metatarsals of left and right foot placed anatomically correct. The bones were found at the Western trench border and the rest of skeleton is likely present underneath the trench boundary. NOT LIFTED. Stratigraphic relations: Cut by grave P.



Figure 16. Grave K, X123. The feet in the grave.

Grave L, skull X157 (primary individual?). Located along the northern profile of the trench. Seems to be a lot of charcoal in the fill. NOT LIFTED. Stratigraphic relations: None



Figure 17. Grave L, X157. The skull in the grave (red arrow).

Grave M, skeleton X128. Complete skeleton however poorly preserved. Wooden coffin likely with lid.
Stratigraphic relations: Below grave S. Above grave? AB.
Male 44-56 years
Right femur measured in grave: 42 cm
Stature measured in grave: 163 cm.
Arm positions: Left: B, Right: B.



Figure 18. Grave M, X128. The skeleton in the grave (right), the feet covered with and surrounded by wood from the coffin (middle) and the bones after cleaning (left).

Bone heap N, X129, X131, X136. The disarticulated bones (X131 and X136) and a tooth (X129) are randomly dispersed in the pit. The bones may belong to skeletons in graves H, R and S.
Stratigraphic relations: Above graves H, R, S and AA.
Remains of minimum five individuals: Female 15-20 years, male 50-80 years, male 25-40 years, likely male 25-40 years and likely male 30-50 years.



Figure 19. Grave N, X129, X131 and X136. The bones in the heap(left) and the bones after cleaning(right).

Grave O, skeleton X132. Lower body uncovered, the remaining skeleton is likely located beneath the western trench border. NOT LIFTED.

Stratigraphic relations: None.

Arm position: Left: ? Right: ?



Figure 20. Grave O, X132. The skeleton in the grave.

Grave P, skeleton X133. Upper body preserved the remaining skeleton removed by cut for grave Q. Clear distinguish of grave boundary on left side of grave (northwards). Shattered skull and bones displaced.

Stratigraphic relations: Below grave Q and A1 (2019 excavation). Above grave K.

Male 55-75 years.

Arm position: Left: ? Right: C



Figure 21. Grave P, X133. The skeleton in the grave (left) and the bones after cleaning (right).

Grave Q, skeleton X137. The upper body of left side of skeleton preserved from beneath the pelvic area. The grave was cut in the midsection of the torso and underneath the left pelvic area. Stratigraphic relations: Below grave W, A1 (2019 excavation). Above grave P.

Male 38-50 years

Arm position: Left: C Right: ?



Figure 22. Grave Q, X137. The skeleton in the grave (left) and the bones after cleaning (right).

Grave R, skeleton X145. Disturbed grave placed on top of grave H in the same pit with a few centimeters of soil between them. Cut from top of pelvic area and at distal right knee and on mid left femur. Charcoal both beneath and on top of skeleton (X114, X141). Further findings in the fill X146 (rock crystal), X147 (burnt bone), X148 (loose found tooth). Stratigraphic relations: Below heap N and grave AA. Above grave H. Male 48-68 years
Arm position: Left: ? Right: ?



Figure 23. Grave R, X145. The skeleton in the grave (left and red circle) and the bones after cleaning (right).

Grave S, skeleton X150. Part of articulated right torso including humerus, proximal either ulna or radius, shoulder region, some midsection thoracic vertebrae, ribs and part of pelvis. May belong to grave F excavated in 2019. Stratigraphic relations: Above grave M (likely cut by grave M). Unknown 18-60 years
Arm position: Left: ? Right: D.



Figure 24. Grave S, X150. The skeleton in the grave (left) and the bones after cleaning (right).

Bone heap T, X152, X178. The disarticulated bones (X178 and X151) are randomly dispersed in the pit. The bones may belong to the skeletons in grave I or Z. Pieces of charcoal (X156) found in fill. Stratigraphic relations: Above graves I, Z and U. Remains of minimum two individuals: Likely female 45-70 years, male 40-70 years.



Figure 25. Bone heap T, X151 and X178. The bones in the heap (left) and the bones after cleaning (right).

Grave? U, skull X183. Possibly a grave only represented by a skull, however the potential postcranial area not excavated. NOT LIFTED.

Stratigraphic relations: Below heap T and graves I and Z.
Arm position: Left: ? Right: ?



*Figure 26. Grave? U, X183.
The skull in the grave.*

Grave V, skeleton X158. The skeleton is complete, however the bones are poorly preserved. Several disarticulated bones (X177) were scattered just above the primary individual.

Stratigraphic relations: Above grave AD and W.

Male 55-65 years

Right femur measured in grave: 43 cm

Right femur measured in lab: 43.5 cm

Stature calculated from femur: 159.0 cm +/- 4.3

Arm position: Left: B Right: C.



*Figure 27. Grave V, X158.
The skeleton in the grave
(top) and the bones after
cleaning (bottom).*



Grave W, skeleton X159. Complete skeleton, well preserved bones of lower body. Found and excavated on the last day in a hurry. Several disarticulated bones (X187, X189), animal bone (X190) and burnt bone (X193) in fill.

Stratigraphic relations: Below grave A1 and A2 (2019 excavation), V and AD. Above grave Q.

Male 52-64 years

Right femur measured in grave: 46 cm

Stature measured in grave: 165 cm

Arm positions: Left: D Right: D.



Figure 28. Grave W, X159. The skeleton in the grave (top) and the bones after cleaning (bottom).

Grave X, skeleton X160. Stones and charcoal in fill. Stones smaller than fist. Lower body and parts of upper body. The grave is located right beneath grave Y. Loose bones in heap E may belong to the skeleton in the grave.
Stratigraphic relations: Below bone heap E and graves Y, D and G.
Likely female 25-50 years
Left femur measured in grave: 42 cm
Stature calculated from femur: 152.2 cm +/- 4.1
Arm position: Left: C Right: ?



Figure 29. Grave X, X160. The skeleton in the grave (top) and the bones after cleaning (bottom).

Grave Y, skeleton X161. Lower body represented by pelvic area, femora (right cut mid diaphysis) and part of left tibia.
Stratigraphic relations: Below graves D and G. Above grave X.
Likely female 35-45 years
Arm position: Left: ? Right: ?



Figure 30. Grave Y, X161. The skeleton in the grave (top and marked with red circle) and the bones after cleaning (bottom).

Grave Z, skeleton X171, charcoal X173. Poorly preserved skeleton represented by the lower body preserved from left pelvic bone and downwards. Upper body removed by bone heap T. Large pieces of charcoal in fill.
Stratigraphic relations: Below the skeleton in grave I.
Above grave U.
Likely female 35-50 years
Right femur measured in grave: 43 cm
Stature calculated from femur: 154.6 cm +/- 4.1
Arm position: Left: ? Right: ?



Figure 31. Grave Z, X171. The skeleton in the grave (left) and the bones after cleaning (right).

Grave AA, skeleton X180. Distal part of left and right tibia. The rest of the body is likely present beneath the western trench border. NOT LIFTED.
Stratigraphic relations: Above graves R and H. Below bone heap N.



Figure 32. Grave AA, X180. The bones in the grave.

Grave? AB. Unsure whether this is a grave. Large flat stones underneath the head end of grave M. Not excavated further.

Stratigraphic relations: Below grave M.



Figure 33. Grave AB, X188. The stones in the possible grave.

Grave? AC, skull X188. Likely grave. Skull found beneath right femur of grave H. Not further excavated. NOT LIFTED.

Stratigraphic relations: Below grave H



Figure 34. Grave AC, X188. The skull in the grave (left).

Grave AD, skeleton X192. Found and excavated in a hurry the last day. Articulated bones of right elbow, forearm, hand and pelvis but severely disturbed by other graves. Right on top of grave W and right beneath grave V.

Stratigraphic relations: Below grave V. Above grave W.
Likely male 38-48 years
Arm position: Left: ? Right: D.



Figure 35. Grave AD, X192. The bones in the grave (left) and the bones after cleaning (right).

5.4. Stratigraphic relations and dating

The stratigraphic relations of the features are illustrated in the Harris Matrix in figure 36. Here are also included the features found and excavated in 2019. Besides graves D and G and heap E the 2019 graves include graves A1, A2, B, C and F. Sterile subsoil has not been reached in any of the areas of the trench.

Two skeletons from the 2019 excavation were ¹⁴C dated and fall in mid 1300s (grave C) and first half of 1400s (grave A2), respectively. A2 was found second from the top in the longest stratigraphic sequence observed in the excavated area counting seven graves. From the 2021 excavation, bone was sampled from graves D, M, P, W and X and sent to SUERC - Radiocarbon Laboratory, University of Glasgow, Scotland for ¹⁴C dating. We are awaiting the results.

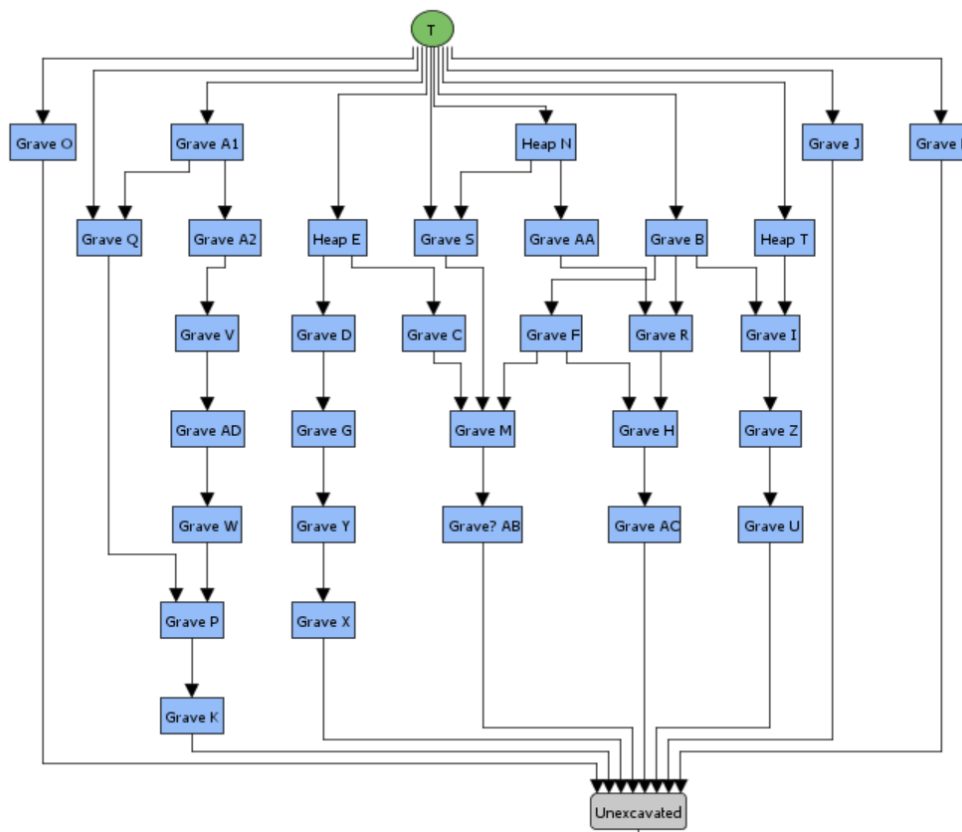


Figure 36. Harris Matrix showing the stratigraphic relations of the graves including both the 2019 and 2021 graves.

5.5. Anthropological data

The anthropological data collected from primary individuals in graves are listed in appendix F and for secondary individuals in either graves, bone heaps or without context are listed in appendix G. Fifteen primary individuals were lifted including those in graves D and G left from the 2019 excavation. Of these, 10 were males, 4 were likely females and for one individual the sex was not possible to determine. The youngest individual was found in grave D and was a male that was 28-40 years at death. The oldest individual was found in grave P and was a male that was 55-75 years at death.

Remains of a minimum of 34 individuals were present among the secondary individuals. All but one were adults. The sub-adult among the bones (X186) was represented by parts of the mandible of a 5-7 year old child.

6. Summary

The archaeological excavations of the cemetery of Garðar during July and August 2021 yielded 23 new features in addition to the 7 graves and one bone heap found doing the 2019 archaeological investigations of the same trench. Thus, in the trench have so far been found three bone heaps,

24 graves and four likely graves. The degree of preservation of bone varies within the trench but is overall poor. The preservation however seems to improve in the deeper levels.

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Appendices

Appendix A: Artefacts

X-nr	Type	Context	Plan #	Level fix - read fix:	Level – from site datum	Coordinates	Comments
100	Metal (iron) wire		T20	Fix: 137. Lev: 215		175/295	At eastern trench border in bottom of 2019 trench.
101	Loose bone		T20	Fix: 137. Lev: 206		133/151	Likely from the backfill of the 2019 trench
102	Iron		T20	Fix: 137. Lev: 210		165/106	
103	Loose bone		T20	Fix: 137. Lev: 205		19/255	
104	Charcoal		T20	Fix: 137. Lev: 203		20/140	
105	Loose bone	Heap E	T20	Fix: 137. Lev: 210		359/155	
106	Loose fragment mandibula		T20	Fix: 137. Lev: 205		190/59	Found just below the bottom of the 2019 trench. Could belong to X32.
107	Loose bones		T20	Fix: 137. Lev: 200		A1	Collected in section A1
108	Primary skeleton	Grave H	T20				
109	Metal		T20				
110	Animal bone	Heap E	T20			Heap E	In Heap E from 2019 excavation
111	Iron			Fix: 137. Lev: 197		44/23	
112	Loose bones					A2	Collected in fill
113	Burnt bone	Grave H	T20	Fix: 147. Lev: 239		280/125	Burnt bones in bottom of grave H.
114	Charcoal	Grave R	T20				Burnt branch.
115	Commingled bones in heap	Heap E		Fix: 147. T_lev: 223 B_lev: 227		280/142	Loose bones from heap E. Three long bones (humeri?). length of bones 23, 27 and 19 cm
116	Primary skeleton	Grave J		Fix: 147. Lev: 219			Skeleton in grave excavated from mid femora to feet the remaining skeleton is beneath the western trench border. NOT LIFTED

117	Loose tooth	Grave J					
118	Primary skeleton	Grave I					
119	Loose tooth						
120	Charcoal						
121	Burnt bone	Grave H/I					
122	Burnt bone	Grave H					
123	Left and right metatarsals in situ	Grave K		Fix: 139, B_lev: 213			Metatarsals right and left side placed anatomically correct, sticking out just underneath the trench border
124	Piece of metal	A1		Fix: 139, lev: 208			
125	Pieces of metal (slag?)	A1		Fix: 139, lev: 210			
126	Loose bones	A3					
127	Loose bones	A4					
128	Primary skeleton	Grave M	T23	Fix: 147, B_lev: 241			
129	Tooth	Heap N					Loose find in fill
130	Burnt bone	Grave D					Loose find at the foot bones of primary skeleton
131	Commingled bones in heap	Heap N	T21	Fix: 151, T_lev: 222, B_lev: 230			Commingled. Lifted and in three bags
132	Primary skeleton	Grave O	T22	Fix: 145, B_lev: 223			Lower legs of in situ skeleton. Remaining skeleton beneath western excavation trench. NOT LIFTED.
133	Primary skeleton	Grave P	T22	Fix: 145, T_lev: 217, B_lev: 228			Skull and upper body cut in pelvic region by grave Q or W
134	Charcoal	Heap N					
135	Primary skeleton	Grave G	T20, T23				
136	Tibia and fibula in situ (same as X180 in grave AA?)	Heap N		Fix: 145, Lev: 225		293-303/0	tibia and fibula in bottom of heap N – in situ so likely undisturbed parts of grave. Continues underneath western excavation trench border. NOT LIFTED.

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137	Primary skeleton	Grave Q	T20, T22	Fix: 145. T_lev: 226, B_lev: 244			Left side of skeleton preserved from under pelvic area. Cut in mid section of torso.
138	Metal plate	Grave Q					In grave fill
139	Animal bone	Grave G					Loose found in grave fill
140	Tooth	Grave D					Loose found at foot bones of skeleton in grave D
141	Charcoal from charcoal layer	Grave R					From layer of charcoal above and beneath skeleton X145 in grave R
142	Loose bone	Grave J				185/75	Loose bone collected in level of grave J
143	Charcoal	Grave I					
144	Left tibia and fibula and bones of feet	Grave Q	T22	Fix: 140, lev: 228		100/210	Articulated and potential in situ remains in grave. Joint ends seems burned. Located on top of chest area of skeleton in grave Q . GRAVE?
145	Primary skeleton	Grave R	T26				Only pelvic area and parts of femora preserved. Bones placed right on top of bones in grave H – knee on knee. Charcoal both on top and beneath the bones.
146	Crystal rock	Grave R					Between the femora of the skeleton and above the charcoal layer.
147	Burnt bone	Grave R					Loose find in grave fill
148	Tooth	Grave R					Loose find in grave fill
149	Charcoal	Grave Q					Found in grave fill
150	Primary skeleton	Grave S	T23	Fix: 141. T_lev: 216			Disturbed and cut in situ skeleton. Articulated humeri, forearm, shoulder and chest area. May belong to skeleton in grave F excavated in 2019
151	Commingled bones in heap	Heap T					
152	Burnt bone	Grave I					Loose find in grave fill
153	Grindstone	Grave I					Loose find in grave fill
154	Charcoal	Grave H					

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155	Animal tooth	Grave Q					In northern margin of grave
156	Burnt branch	Heap T	T24				Just above the skull X183 in grave U
157	Skull	Grave L	T20, T22	Fis: 147. T_lev: 213			Likely skull belonging to in situ preserved skeleton in grave – grave fill seems to be in accordance with grave shape and orientation.
158	Primary skeleton	Grave V	T20, T25	Fix: 147, B_lev: 246			
159	Primary skeleton	Grave W					
160	Primary skeleton	Grave X		Fix: 147. B_lev: 241			
161	Primary skeleton	Grave Y		Fix: 147. B_lev: 240			
162	Piece of metal	Grave Y					Found in southern profile of trench when excavating possible humerus for skeleton in grave.
163	Charcoal	Grave X					
164	Animal bone	Grave X					Likely animal bone. Found in fill after removing skull from grave G and searching for grave X.
165	Loose bones	Grave G (X/Y)					The bones – scapula, tooth and others were found when excavating pit from removal of skull in grave G. however skeleton X160 in grave X and skeleton X161 in grave Y are present under Graves G and D and the bones can belong to either of these individuals.
166	Loose bone	Grave X					Loose bone not anatomical correct position compared to the primary skeleton.
167	Loose tooth	Heap T					
168	Burnt bone	Grave I					
169	Charcoal	Grave I					
170	Tooth likely sheep	Grave V/W					Found in lower (eastern) part of graves V and W
171	Primary skeleton	Grave Z					

172	soapstone	In stone pile					Loose find in pile of stones removed from trench. Chisel or scraping marks
173	Charcoal	Grave Z					
174	Charcoal	Grave M					Charcoal found in chest region of skeleton in grave M
175	Tooth	Grave M					Loose find in grave fill
176	Loose bones	Grave Z					Right and left femora and fibula
177	Loose bones	Grave V					
178	Commingled bones in heap	Heap T					Likely bones belonging to skeleton in grave R or I
179	Loose bones	Grave R					
180	Primary skeleton	Grave AA					NOT LIFTED.
181	Animal bone	Grave R					
182	Loose found phalange	Grave Q					
183	Skull (primary skeleton?)	Grave U					Well preserved skull could belong to in situ skeleton. NOT LIFTED
184	Skull (primary skeleton)	Beneath grave Y			40-45 cm		In situ in grave?. NOT LIFTED.
185	Loose phalange	Without context					
186	Loose mandibula	Grave H					Loose mandibular and teeth from subadult – 6-10 years old. Found between right and left foot of skeleton in grave H.
187	Loose bones	Grave W					Two bags
188	Skull (primary skeleton?)	Grave AC					Skull not excavated further could belong to primary skeleton. NOT LIFTED.
189	Femur	Grave V/W?				155/175	May belong to skeleton beneath graves V and W. NOT LIFTED
190	Animal bone	Grave W				135/100	
191	Skull (primary skeleton)	Graves V/W					Loose found or potential in situ skull in grave that is found underneath eastern border of trench border. Not excavated further. NOT LIFTED.

192	Primary skeleton	Grave AD			Fix: 137. T_lev: 231. B_lev: 241		
193	Burnt bone	Grave W					
194	Loose bone	Grave V					Tibia and several other well preserved bones just underneath grave V. NOT LIFTED.
195	Iron coffin nail	Grave M					Found during rinsing attached to skull between parietal and occipital bones.

Appendix B: Features

Feature number	Type	Finds	Plan #	Level fix - read fix:	Level - cm from surface	Stratigraphy – above/below	Comments
D	Grave	X49 (skeleton)	T21	Fix: 151 T_lev: 231, B_lev: 235		Below heap E. Above graves G, X and Y	Was left from 2019 excavation.
E	Bone heap	X115 (disarticulated bones)		Fix: 147 T_lev: 223, B_lev: 227		Above graves D, G, X and Y	Bones may be from skeletons in graves D, G, X or Y.
G	Grave	X135 (skeleton)	T20, T23	Fix: 145 T_lev: 250, B_lev: 290		Below Heap E, grave D Above graves X and Y	Was left from 2019 excavation.
H	Grave	X108(skeleton)	T20, T26	Fix: 147, B_lev: 239		Below heap N, graves R and AA Above grave AC	Cut above pelvic area by Grave R, heap N and grave AA. covered with charcoal layer around the knee area
I	Grave	X118 (skeleton), X119(loose tooth), X120 (charcoal), X143 (charcoal), X152(burnt bone), X153(grindstone)	T24	Fix: 147, B_lev: 237		Below heap T Above graves Z and U	Torso, left arm and upper pelvic area cut by bone heap T.
J	Grave	X116 (skeleton), X117 (loose found tooth)	T20, T22	Fix: 147, B_lev: 219	32 cm	Below grave A1	The skeleton is excavated from mid femori to feet. Pelvic area and upper body is located underneath the western trench border. NOT LIFTED.
K	Grave	X123 (foot bones)	T20, T22	Fix: 147, B_lev: 220	37 cm	Below (cut by) grave P	Metatarsals right and left side placed anatomically correct, sticking out just underneath the trench border. Rest of skeleton may be present in unexplored area. NOT LIFTED.
L	Grave	X157 (skull- from primary?)	T20, T22	Fix: 147, T_lev: 213	53 cm		Located along the northern profile of the trench. NOT LIFTED. Seems to be a lot of charcoal in the fill.

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M	Grave	X128 (skeleton) X195 (iron coffin nail)	T23	Fix: 147, B_lev: 241		Below grave S	Wooden coffin likely with lid.
N	Bone heap	X129 (tooth), X131 (bones)	T21	Fix: 151, T_lev: 222, B_lev: 230. T_lev:221(fix:145)		Above graves H and R	
O	Grave	X132 (skeleton)	T20, T22	Fix: 145, B_lev: 223	57 cm		Lower legs excavated. The remaining skeleton is located beneath the western trench border. NOT LIFTED.
P	Grave	X133 (skeleton)	T20, T22	Fix: 145, T_lev: 217, B_lev: 228.		Below grave Q Above grave K	Upper body preserved the remaining skeleton removed by cut for grave Q. Charcoal in fill. Clear distinguish of grave cut on left side of grave (northwards). Shattered skull and bones displaced.
Q	Grave	X137 (skeleton) X182 (loose found bone) X144 (loose found bone)	T20, T22	Fix: 145, T_lev: 226. B_lev: 244		Below grave W Above grave P	Left side of skeleton preserved from under pelvic area. Grave cut in mid section of torso and underneath the left pelvic area.
R	Grave	X145 (skeleton), X114(charcoal), X146 (rock crystal), X141 (charcoal from layer), X147 (burnt bone), X148 (loose found tooth)	T26	Fix: 137, T_lev: 222, B_lev: 226		Below heap N and grave AA Above grave H	Grave on top of grave H. In the same pit with a few centimeters of soil between them. Cut from top of pelvic area and at distal right knee and on mid left femur. Charcoal both beneath and on top of skeleton.
S	Grave	X150	T23	Fix: 141, T_lev: 216		Above grave M (likely cut by grave M)	Part of articulated right torso including humerus, proximal either ulna or radius, shoulder region, some midsection thoracic vertebrae, ribs and part of pelvis. May belong to grave F excavated in 2019
T	Bone Heap	X178 (disarticulated bones), X156 (charcoal)	T24	Fix:		Above graves I, Z and U	The disarticulated bones may belong to the skeleton in grave I or Z.
U	Grave	X183 (skull)		Fix: 147, T_lev: 233	C. 45-50 cm	Below heap T and graves I and Z	Possibly a grave only represented by a skull but postcranial area not excavated. NOT LIFTED.
V	Grave	X158 (skeleton), X177 (loose bones), 194(loose bone)	T20, T25	Fix: 147. B_lev 246		Above grave AD and W	The skeleton is complete however rather poorly preserved. A lot of loose found bones scattered just above the bones of the primary individual.

W	Grave	X159 (skeleton), X187 (loose found bone), X189 (loose found femur), X190 (animal bone), X193 (burnt bone)	T20, T27	Fix: 137. T_lev: 231 B_lev: 241(AD hand)		Below grave V and AD Above grave Q	Complete skeleton, well preserved from pelvic area and lower body. Found and excavated on the last day in a hurry.
X	Grave	160 (skeleton)	T24	Fix: 147. B_lev: 241		Below graves Y, D and G	Stones and charcoal in fill. Stones smaller than fist. Lower body and parts of The grave is located right beneath grave Y. loose bones in heap E may belong to the skeleton in the grave
Y	Grave	X161 (skeleton)	T24	Fix: 147. B_lev: 240		Below graves D and G. Above grave X	Represented by pelvic area, femora (right cut mid diaphysis) and part of left tibia.
Z	Grave	X171 (skeleton), X173		Fix: 140. T_lev: 232. B_lev: 233		Below grave I. Above grave U	Represented by lower body. Right underneath grave I. Large pieces of charcoal in fill
AA	Grave	X180 (skeleton)	T26	Fix: 137. T_lev: 225. B_lev: 228		Above graves R and H	Lower parts of tibia have been excavated. Feet cut. Rest of body beneath western trench border. NOT LIFTED
AB	Grave?		T26	Fix: 137. T_lev: 239. T_lev: 242	50 cm	Below grave M	Large flat stones underneath the head end of grave M. Not excavated further. Kept for next excavation
AC	Grave	X188 (skeleton)	T26			Below grave H	Beneath right femur of grave H. Not further excavated. NOT LIFTED.
AD	Grave?	X192(part of skeleton)	T27	Fix: 137. T_lev: 231. B_lev: 241		Below grave V. Above grave W	Found and excavated in a hurry the last day. Articulated bones of right elbow, forearm, hand and pelvis but severely disturbed by other graves. Right on top of grave W and right beneath grave V – pelvic to pelvic.

Appendix C: Plans

All plans are available in digital format from both the Greenland National Museum & Archives and the Danish National Museum.

Drawing number	Scale	Type (plan/profile)	Context/location	Description
T20	1:20	Overview	Entire trench – various levels	Working sketch
T21	1:10	Plan - detail	Heap N, Grave D,	Feature drawings
T22	1:10	Plan - detail	Graves J, K, P, Q, O, L	Feature drawings

T23	1:10	Plan - detail	Grave G. Grave S. Grave M	Feature drawings
T24	1:10	Plan - detail	Heap T. Grave I. Graves X and Y	Feature drawings
T25	1:10	Plan - detail	Grave Z. Grave V	Feature drawings
T26	1:10	Plan - detail	Graves H, R, AA and AC. Feature AB	Feature drawings
T27	1:10	Plan - detail	Graves W and AD	Feature drawings

Appendix D: Photo log

All photos are available in digital format from both the Greenland National Museum & Archives and the Danish National Museum.

Number	Photo #	Motif	Plan #	Date	Comments
1	100-0002	RDO driving ATV, FR walking towards ruin		28.07.2021	Getting equipment from storage
2	100-0003	RDO driving ATV, Frederikke walking towards ruin		28.07.2021	Getting equipment from storage
3	100-0004	RDO on ATV by house		28.07.2021	Getting equipment from storage
4	100-0005	Area of trench before turf removal		28.07.2021	Seen from south
5	100-0007	Area of trench before turf removal		28.07.2021	Seen from west
6	100-0009	Area of trench before turf removal		28.07.2021	Seen from north
7	100-0010	FR removing turf in southern part of trench		28.07.2021	Working image – seen from east
8	100-0012	FR and RDO remove turf		28.07.2021	Working image – seen from south
9	100-0014	Trench with turf partly removed		28.07.2021	Seen from south
10	100-0015	Trench with turf removed except in SE corner		28.07.2021	Seen from south
11	100-0016	Trench with turf removed except in SE corner		28.07.2021	Seen from south
12	100-0018	RDO taking picture of trench		28.07.2021	Working image – seen from east
13	100-0019	Trench with turf removed except in SE corner		28.07.2021	Seen from north
14	100-0001	RDO and DDP find plastic in bottom of 2019 in SW corner		29.07.2021	Working image – seen from southwest
15	100-0002	Plastic from SW corner of 2019 trench		29.07.2021	Seen from southwest

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16	100-0004	Plastic from SW corner of 2019 trench – close up		29.07.2021	Seen from south
17	100-0005	FR and RDO working in SW corner of 2019 trench		29.07.2021	Working image – seen from south
18	100-0006	FR work in SW corner of 2019 trench		29.07.2021	Working image – seen from east
19	100-0008	Bottom of SW corner of 2019 trench		29.07.2021	Seen from east
20	100-0009	RDO and DDP work in southern part of 2019 trench		29.07.2021	Working image – seen from southwest
21	100-0010	RDO and DDP work in southern part of 2019 trench		29.07.2021	Working image – seen from north
22	100-0011	RDO and DDP work in southern part of 2019 trench		29.07.2021	Working image – seen from east
23	100-0012	RDO in southern part of 2019 trench		29.07.2021	Working image – seen from northeast
24	100-0013	RDO work in southern part of 2019 trench		29.07.2021	Working image – seen from south
25	100-0014	Plastic in SW corner of bottom of 2019 trench		29.07.2021	Seen from north
26	100-0017	RDO work in southern part of 2019 trench		29.07.2021	Working image – seen from south
27	100-0018	FR and RDO work in southern part of 2019 trench		29.07.2021	Working image – seen from north
28	100-0001	Berit, Helle and RDO, DDP remove soil in 2019 trench		30.07.2021	Working image – seen from southwest
29	100-0002	Berit, Helle and DDP remove soil in NE corner		30.07.2021	Working image – seen from south
30	100-0003	Berit, Helle and DDP remove soil in NE corner		30.07.2021	Working image – seen from north
31	100-0004	Berit, Helle and DDP remove soil in NE corner		30.07.2021	Working image – seen from north
32	100-0005	Soil removed in 2019 trench		30.07.2021	Seen from north
33	100-0006	Soil removed in 2019 trench		30.07.2021	Seen from south
34	100-0008	Excavation team with Berit and Helle		30.07.2021	Seen from west
35	100-0009	Excavation team with Berit and Helle		30.07.2021	Seen from west
36	100-0010	Bottom of northern part of 2019 trench		31.07.2021	Seen from north
37	100-0021	Bottom of southern part of 2019 trench		31.07.2021	Seen from west
38	100-0022	Graves D and G and heap E		31.07.2021	Seen from east

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39	100-0023	Anna and Suuluaraq		31.07.2021	Working image – seen from north
40	100-0024	Anna in trench		31.07.2021	Working image – seen from west
41	100-0026	X105 – loose bone	T1	31.07.2021	Seen from south
42	100-0027	Anna and DDP in trench		31.07.2021	Working image – seen from south
43	100-0031	Charcoal layer by skeleton X108		31.07.2021	Seen from south
44	100-0033	Charcoal layer by skeleton X108		31.07.2021	Seen from east
45	100-0035	Charcoal layer by skeleton X108		31.07.2021	Seen from east
46	100-0001	X115 loose bones incl. board and measure	T1	02.08.2021	Seen from south
47	100-0002	X115 loose bones	T1	02.08.2021	Seen from south
48	100-0003	X115 loose bones	T1	02.08.2021	X115 after first lift before second lift
49	100-0004	Anna and FR in trench		02.08.2021	Working image – seen from south
50	100-0006	RDO on ATV		02.08.2021	Working image – seen from south
51	100-0007	Anna and FR in trench		02.08.2021	Working image – seen from south
52	100-0009	Grave H, X108 lower body. Incl. board and measure		02.08.2021	Seen from south
53	100-0010	Grave H, X108, Grave I. incl. Board and measure		02.08.2021	Seen from east
54	100-0012	Grave H, X108, Grave I		02.08.2021	Seen from south
55	100-0013	Grave H, X108. Close up of charcoal by knee joint.		02.08.2021	Seen from east
56	100-0014	Grave J, X116. incl. Board and measure		02.08.2021	Seen from east
57	100-0015	Grave J, X116. incl. Board and measure		02.08.2021	Seen from west
58	100-0016	Grave J, X116		02.08.2021	Seen from north
59	100-0017	Grave I, X118		02.08.2021	Seen from south
60	100-0018	Grave I, X118		02.08.2021	Seen from south
61	100-0019	Grave I, X118		02.08.2021	Seen from south

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62	100-0020	Grave I, X118		02.08.2021	Seen from south
63	100-0021	Grave I, X118		02.08.2021	Seen from south
64	100-0022	Grave I, X118		02.08.2021	Seen from south
65	100-0023	Grave I, X118		02.08.2021	Seen from south
66	100-0024	X115 incl. Board and measure.		02.08.2021	Seen from south. After second lift before third lift
67	100-0025	X115		02.08.2021	Seen from south. After second lift before third lift
68	100-0001	Grave K, X123 incl. Board and measure		03.08.2021	Seen from east
69	100-0002	Grave K, X123		03.08.2021	Seen from east
70	100-0004	Grave L eastern end		03.08.2021	Seen from south
71	100-0005	Grave L western end		03.08.2021	Seen from south
72	100-0006	Grave L		03.08.2021	Seen from south
73	100-0007	X115. Heap, loose bones. incl. Board and measure		03.08.2021	Seen from south. After third lift before fourth lift
74	100-0008	X115. Heap, loose bones.		03.08.2021	Seen from south. After third lift before fourth lift
75	100-0009	Grave M, X128. incl. Board and measure		03.08.2021	Seen from east. Lower legs in grave M
76	100-0010	Grave M, X128. incl. Board and measure		03.08.2021	Seen from east. Lower legs in grave M
77	100-0011	Grave M, X128		03.08.2021	Seen from east
78	100-0012	Grave fill in grave H		03.08.2021	Seen from south
79	100-0013	Grave fill in grave H		03.08.2021	Seen from south
80	100-0014	Grave fill in grave H		03.08.2021	Seen from south
81	100-0015	Grave D and G. incl. Board and measure		03.08.2021	
82	100-0016	Grave D and G. incl. Board and measure		03.08.2021	
83	100-0017	Grave D and G		03.08.2021	
84	100-0001	Heap N. incl. Board and measure	T2	04.08.2021	Seen from south

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85	100-0002	Heap N. incl. Board and measure	T2	04.08.2021	Seen from south
86	100-0003	Heap N	T2	04.08.2021	Seen from south
87	100-0004	Heap N	T2	04.08.2021	Seen from south
88	100-0005	Grave D and G		04.08.2021	Working image - Seen from west
89	100-0006	Grave D and G		04.08.2021	Working image - Seen from west
90	100-0007	Grave D and G		04.08.2021	Working image - Seen from west
91	100-0009	Grave east of grave K		04.08.2021	Working image – seen from northwest
92	100-0010	PSH soil drilling		04.08.2021	Working image
93	100-0011	PSH soil drilling		04.08.2021	Working image
94	100-0012	PSH soil drilling		04.08.2021	Working image
95	100-0013	Grave O, X132. incl. Board and measure		04.08.2021	Seen from south
96	100-0014	Grave O, X132		04.08.2021	Seen from south
97	100-0015	Grave D, X49. incl. Board and measure. Eastern end stone setting?		04.08.2021	Seen from south
98	100-0016	Grave D, X49 Eastern end stone setting?		04.08.2021	Seen from south
99	100-0017	Grave D, X49. Turf with bone piece		04.08.2021	Seen from west
100	100-0018	Grave D, X49. incl. Board and measure		04.08.2021	Seen from south
101	100-0019	Grave D, X49		04.08.2021	Seen from south
102	100-0020	Heap N		04.08.2021	Seen from south
103	100-0021	Heap N		04.08.2021	Seen from south
104	100-0022	Heap N		04.08.2021	Seen from south
105	100-0023	Grave fill - cut clear grave P, X133		04.08.2021	Seen from east
106	100-0024	Grave fill - cut clear grave P, X133		04.08.2021	Seen from east
107	100-0001	X136 grave in heap N?		05.08.2021	Seen from south

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108	100-0002	X136 grave in heap N?		05.08.2021	Seen from south
109	100-0003	Graves K, O, P and Q in NW corner of trench		05.08.2021	Seen from east
110	100-0004	Graves K, O, P and Q in NW corner of trench		05.08.2021	Seen from east
111	100-0005	Graves K, O, P and Q in NW corner of trench		05.08.2021	Seen from east
112	100-0006	Graves K, O, P and Q in NW corner of trench		05.08.2021	Seen from east
113	100-0009	Bone in heap N		05.08.2021	Seen from south
114	100-0010	Bone in heap N		05.08.2021	Seen from south
115	100-0011	Stripe of charcoal – connection to charcoal in grave H?		05.08.2021	Seen from south. Stripe in left side photo
116	100-0012	Stripe of charcoal – connection to charcoal in grave H?		05.08.2021	Seen from south. Stripe in left side photo
117	100-0013	Stripe of charcoal – connection to charcoal in grave H?		05.08.2021	Seen from south. Stripe in left side photo
118	100-0014	Grave G, X135. incl. Board and measure		05.08.2021	Seen from south
119	100-0015	Grave G, X135. incl. Board and measure		05.08.2021	Seen from south
120	100-0016	Grave G, X135		05.08.2021	Seen from south
121	100-0017	X144 above grave Q. incl. Board and measure	T3	05.08.2021	Seen from east
122	100-0018	X144 above grave Q	T3	05.08.2021	Seen from east
123	100-0021	FR, RDO, ABG, ABO, AMRJ, BO birthday dinner BO		05.08.2021	BO birthday
124	100-0022	Cake with flags		05.08.2021	BO birthday
125	100-0026	Cake with flags		05.08.2021	BO birthday
126	100-0001	Bones for drying on tarp		06.08.2021	Working image
127	100-0002	Bones for drying on tarp		06.08.2021	Working image
128	100-0003	Bones for drying on tarp		06.08.2021	Working image
129	100-0004	Grave P, X133. incl. Board and measure		06.08.2021	Seen from east
130	100-0005	Grave P, X133. incl. Board and measure		06.08.2021	Seen from east

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131	100-0006	Grave P, X133		06.08.2021	Seen from east
132	100-0007	Grave S, X150. incl. Board and measure		06.08.2021	Seen from south
133	100-0008	Grave S, X150		06.08.2021	Seen from south
134	100-0009	Heap T		06.08.2021	Seen from east
135	100-0010	Heap T		06.08.2021	Seen from east
136	100-0011	Heap T		06.08.2021	Seen from east
137	100-0012	Heap T		06.08.2021	Seen from east
138	100-0013	Heap T		06.08.2021	Seen from east
139	100-0014	Heap T		06.08.2021	Seen from east
140	100-0001	Cleaning trench for GPS measure. GPS measure		07.08.2021	Seen from west
141	100-0002	Cleaning trench for GPS measure. GPS measure		07.08.2021	Seen from northwest
142	100-0003	Tripods		07.08.2021	Seen from east
143	100-0004	Cleaning trench before drone picture		07.08.2021	Seen from south
144	100-0005	Flying drone (David)		07.08.2021	Seen from southeast
145	100-0007	Flying drone (David)		07.08.2021	Seen from south
146	100-0008	Coffee break		07.08.2021	Seen from west
147	100-0009	GPS measure		07.08.2021	Seen from south
148	100-0010	Suuluaraq cutting grass		07.08.2021	Seen from north
149	100-0011	Setting up tarp covers and working under tarp		07.08.2021	Working image
150	100-0012	Setting up tarp covers and working under tarp		07.08.2021	Working image
151	100-0013	Setting up tarp covers and working under tarp		07.08.2021	Working image
152	100-0014	Setting up tarp covers and working under tarp		07.08.2021	Working image
153	100-0016	Graves I and U. Heap T		07.08.2021	Seen from south

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154	100-0017	Graves I and U. Heap T		07.08.2021	Seen from south
155	100-0023	Close up skull in grave U. incl. Board and measure		07.08.2021	Seen from south
156	100-0024	Close up skull in grave U		07.08.2021	Seen from south
157	100-0001	Grave X and Y. incl. Board and measure		08.08.2021	Seen from south
158	100-0002	Grave X and Y.		08.08.2021	Seen from south
159	100-0003	Grave M, X128		08.08.2021	Seen from south
160	100-0004	FR		08.08.2021	Working image
161	100-0005	ABO		08.08.2021	Working image
162	100-0006	DDP		08.08.2021	Working image
163	100-0007	Grave M, X128. . incl. Board and measure		08.08.2021	Seen from south
164	100-0008	Grave M, X128		08.08.2021	Seen from south
165	100-0009	Grave M, X128		08.08.2021	Seen from east
166	100-0010	Grave M, X128. Femora, knee and tibiae		08.08.2021	Seen from north
167	100-0011	Grave M, X128. Tibiae		08.08.2021	Seen from north
168	100-0012	Grave M, X128. Knee joint right side		08.08.2021	Seen from northeast
169	100-0013	Grave M, X128. Right plank		08.08.2021	Close up
170	100-0014	Grave M, X128. Skull		08.08.2021	Seen from west
171	100-0015	Grave M, X128. Skull		08.08.2021	Close up
172	100-0016	Grave M, X128. Upper body		08.08.2021	Seen from north
173	100-0001	Grave X, X160. incl. Board and measure		09.08.2021	Seen from east
174	100-0002	Grave X, X160.		09.08.2021	Seen from east
175	100-0003	Grave M, X128. incl. Board and measure		09.08.2021	Seen from east
176	100-0004	Grave M, X128		09.08.2021	Seen from east

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177	100-0005	Grave V, X158, Grave W, X159. incl. Board and measure		09.08.2021	Seen from south
178	100-0007	SBO and BO with bird		09.08.2021	Working image
179	100-0008	ABO, BO, RDO with bird		09.08.2021	Working image
180	100-0009	Grave V, X158. Grave W, X159		09.08.2021	Seen from east
181	100-0011	Grave Z, X171. incl. Board and measure		09.08.2021	Seen from south
182	100-0016	FR, RDO with bird		09.08.2021	Working image
183	100-0017	FR, RDO with bird		09.08.2021	Working image
184	100-0018	Grave Z, X171		09.08.2021	Seen from south
185	100-0019	Christian with bird		09.08.2021	Working image
186	100-0020	Christian with bird		09.08.2021	Working image
187	100-0021	Team photo		09.08.2021	Working image
188	100-0022	Team photo		09.08.2021	Working image
189	100-0023	Team photo		09.08.2021	Working image
190	100-0024	Team photo		09.08.2021	Working image
191	100-0025	Team photo		09.08.2021	Working image
192	100-0026	Team photo		09.08.2021	Working image
193	100-0027	Team photo		09.08.2021	Working image
194	100-0028	Team photo		09.08.2021	Working image
195	100-0029	Team photo		09.08.2021	Working image
196	100-0030	Team photo		09.08.2021	Working image
197	100-0031	Team photo		09.08.2021	Working image
198	100-0032	Team photo		09.08.2021	Working image
199	100-0033	Grave H and R		09.08.2021	Seen from south

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200	100-0034	Grave H and R		09.08.2021	Seen from south
201	100-0035	Grave H and R		09.08.2021	Seen from south
202	100-0036	Grave H and R		09.08.2021	Seen from south
203	100-0037	AAH south team photo		09.08.2021	Dinner
204	100-0038	AAH south team photo		09.08.2021	Dinner
205	100-0039	AAH south team photo		09.08.2021	Dinner
206	100-0040	AAH south team photo		09.08.2021	Dinner
207	100-0041	AAH south team photo		09.08.2021	Dinner
208	100-0042	AAH south team photo		09.08.2021	Dinner
209	100-0043	AAH south team photo		09.08.2021	Dinner
210	100-0044	AAH south team photo		09.08.2021	Dinner
211	100-0001	Feature AB. Stones beneath west end of grave M		10.08.2021	Seen from east
212	100-0002	Feature AB. Stones beneath west end of grave M		10.08.2021	Seen from south
213	100-0004	Grave H, X108		10.08.2021	Seen from south
214	100-0005	Grave H, X108		10.08.2021	Seen from south
215	100-0006	Grave H, X108		10.08.2021	Seen from south
216	100-0007	Grave H, X108		10.08.2021	Seen from south
217	100-0008	Grave H, X108		10.08.2021	Seen from south
218	100-0009	Grave H, X108		10.08.2021	Seen from south
219	100-0010	Grave V and the grave beneath		10.08.2021	Working image – seen from east
220	100-0011	Grave V and the grave beneath		10.08.2021	Working image – seen from east
221	100-0012	Profile grave W – layers as if grave was open for a while		10.08.2021	Seen from south
223	100-0013	Profile grave W – layers as if grave was open for a while		10.08.2021	Seen from south

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224	100-0014	Grave W, X159. incl. Board and measure		10.08.2021	Seen from north
225	100-0015	Grave W, X159. incl. Board and measure		10.08.2021	Seen from east
226	100-0016	Grave W, X159		10.08.2021	Seen from east
227	100-0017	Closing the excavation		10.08.2021	Working image
228	100-0018	The location of the fix stone		10.08.2021	Working image
229	100-0019	Fix stone		10.08.2021	Working image
230	100-0020	Fix stone		10.08.2021	Working image
231	100-0021	Closing the excavation		10.08.2021	Working image
232	100-0022	Closing the excavation		10.08.2021	Working image
233	100-0023	Closing the excavation		10.08.2021	Working image
234	100-0024	Closing the excavation		10.08.2021	Working image
235	100-0025	Closing the excavation		10.08.2021	Working image
236	100-0026	Closing the excavation		10.08.2021	Working image
237	100-0027	Closing the excavation		10.08.2021	Working image
238	100-0028	Closing the excavation		10.08.2021	Working image
239	100-0029	Closing the excavation		10.08.2021	Working image
240	100-0030	Closing the excavation		10.08.2021	Working image
241	100-0031	Closing the excavation		10.08.2021	Working image
242	100-0032	Closing the excavation		10.08.2021	Working image
243	100-0033	Closing the excavation		10.08.2021	Working image

Appendix E: Samples

Sample number	X-nummer	Context	Sample type	Amount (ltr, weight etc.)	Initials	Date
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S1	X49	Grave D	Soil sample	C. 2L left lung region	RDO	03.08.2021
S2	X49	Grave D	Soil sample	c. 800 g skull region	RDO	03.08.2021
S3	X49	Grave D	Soil sample	Small glass left lung region	RDO	03.08.2021
S4	X133	Grave P	Soil sample	Two bags beneath skull	DDP	07.08.2021
S5	X128	Grave M	Coffin wood between femora	12*8 cm	DDP	09.08.2021
S6	X128	Grave M	Coffin wood southern side	4*4 cm	DDP	09.08.2021
S7	X128	Grave M	Coffin wood eastern (foot) end	c. 4*4 cm	DDP	09.08.2021
S8	X128	Grave M	Coffin wood above left femur		DDP	09.08.2021
S9	X128	Grave M	Coffin wood western (skull) end		DDP	09.08.2021
S10	X128	Grave M	Soil sample	Small bag under skull	DDP	09.08.2021
S11	X128	Grave M	Soil sample	Small bag gastrointestinal region	DDP	09.08.2021
S12	X145	Grave R	Soil sample - charcoal layer in grave		ABO/FR	10.08.2021
S13	X137	Grave Q	Soil sample from red iron-containing clay silt	300 g	CJE (RDO)	10.08.2021

Appendix F: Skeletal data, primary individuals in graves

Grave	X number	Quantitative preservation	Qualitative preservation	Sex	Age minimum	Age maximum	Age midpoint
D	49	2	2	M	28	40	34
G	135	2	2	M	55	70	62,5
H	108	2	2	M	30	40	35
I	118	2	3	F?	50	70	60
M	128	2	3	M	44	56	50
P	133	3	3	M	55	75	65
Q	137	2	2	M	38	50	44
R	145	3	2	M	48	68	58

S	150	3	3	U	18	60	41
V	158	1	2	M	55	65	60
W	159	2	1	M	52	64	58
X	160	3	3	F?	25	50	37,5
Y	161	3	3	F?	35	45	40
Z	176	2	3	F?	35	50	42,5
AD	192	3	1	M?	38	48	43

Appendix G: Skeletal data, secondary individuals

Feature	X number	Context	Sex	Age minimum	Age maximum
E	115	Bone heap	M	45	70
E	115	Bone heap	F	35	65
E	115	Bone heap	M?	30	60
E	105	Bone heap			?
N	131	Bone heap	M	50	80
N	131	Bone heap	F?	15	25
N	131	Bone heap	M	25	40
N	131	Bone heap	M?	25	40
N	131	Bone heap	M?	30	50
N	136	Bone heap	M?	40	60
N	129	Bone heap	U	15	25
T	178	Bone heap	F?	45	70
T	178	Bone heap	M	40	70
T	151	Bone heap	?U	?	?

?	185	Commingled without context	M	20	60
?	112	Commingled without context	U	?	?
?	175	Commingled without context	U	20	40
?	101	Commingled without context	U	?	?
?	186	Commingled without context	C	5	7
?	106	Commingled without context	U	20	35
?	166	Commingled without context	U	?	?
Section A1	107	Commingled without context	U	?	?
Section A3	126	Commingled without context	U	?	?
Section A1	127	Commingled without context	U	?	?
J	117	Commingled in grave	U	?	?
G, X, Y?	165	Commingled in grave	U	?	?
Q	144	Commingled in grave	M?	35	65
R	179	Commingled in grave	U	18	80
V	194	Commingled in grave	U	40	55
V	194	Commingled in grave	M	40	60
V	177	Commingled in grave	M	30	45
V	177	Commingled in grave	U	25	55
V	177	Commingled in grave	U	22	32
V	177	Commingled in grave	U	25	40

Appendix H: Grave recording sheets

Registrering af grav

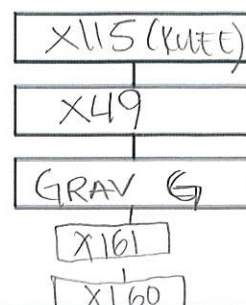
Henvisning til X-numre fra samme grav: X115

Digitalfotos:

S/H-fotos:

T-nr.: T2

Stratigrafi:



Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5) TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10) MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

+ JORDPRØVE MAKROFOSIL FRA LUNGE VENSTRE (S1)

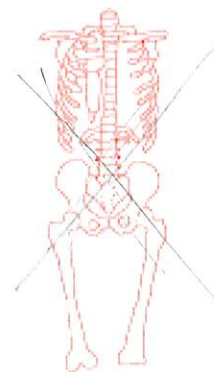
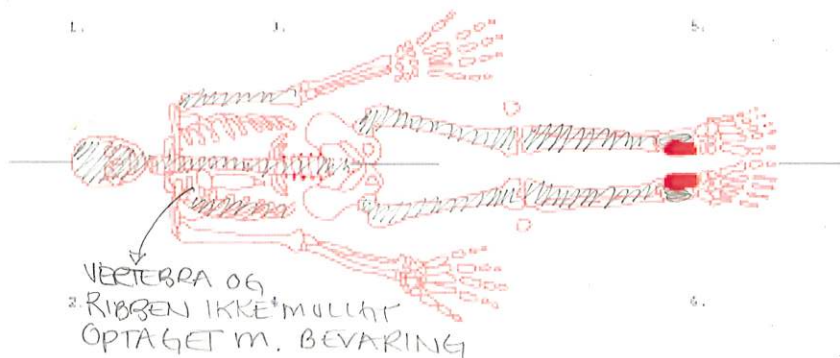
Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

DER ER FUNDET EN ANTYDNING AF STENSATS I FØDENDE AF GRAVEN. DER ER FUNDET MINDRE STYKKER AF TRÆKUL I GRAVEN SAMT TO-TRE STYKKER BRÆNDT KNOGLE. SKELETTET ER PLACERET UNDER HEAP ^① FRA 2019, MEN OVEN PÅ INDIVID FRA GRAV G. KRANIERNE ER PLACERET TÆT OP OG NED AF HINANDEN. BEVARINGEN ER GENERELT SET DÅRLIG. DOG ER KRANIET UMIDDELBART FLOT.

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet MULLIGVIS STENSAT OBSERVERET I FØDENDENedgravning: L (cm) B (cm) Topniv.: 23 Bundniv.: 235 Kiste: L (cm) B-øst (cm) B-vest (cm) ↓
KRANIE↓
FØDENDE

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivelementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Hocker Andet Hoved i V-ende af gravBevaring: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): 164cmHøjre lårben: 50cm

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

BEVARINGEN ER GENERELT DÅRLIG - BORTSET FRA KRANIET. TÆNDER SES MEGET SLIDTE MED MULLIG PARADONTOSE. FRA KRANIET ER VURDERING UMIDDELBART MAND I SEX. BÅDE KVALITET OG KVANTITET ER DÅRLIG.

Grav registreret d. 2019 af FIELDSCHOOLSkelet registreret d. 04.08.21 af RDO Skelet optaget d. af RDO/BOVejr: Regn

Registrering af grav

Henvisning til X-numre fra samme grav: X115, X139,

Digitalfotos:

S/H-fotos:

T-nr.: T1, T4

Jordprøver: JORDPRØVE AF MAKROFOSSILER OMKRING KRANIE (52)

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5) TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10) MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Stratigrafi:

X115

D - X49

G - X135

X161 GY

X160 GX

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

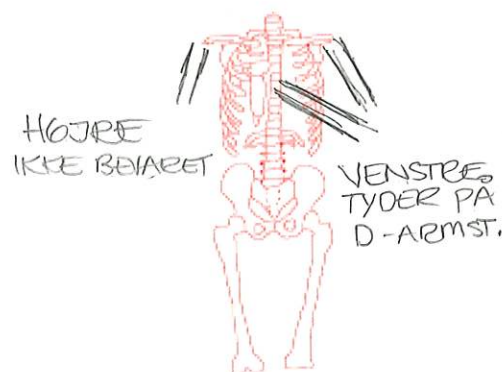
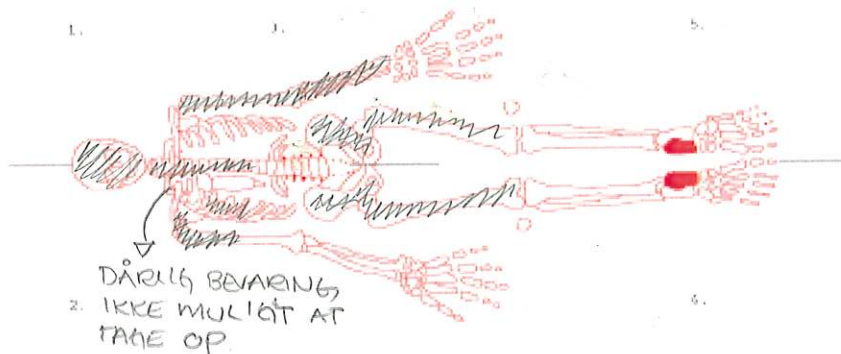
TRÆKUL ER TIL STEDE I GRAVEN. MINDRE STYKKER I FYLDET. SAMT ET STØRRE STYKKE VED VENSTRE HOFTEN. DER ER YDERLIGERE FUNDET SMÅ DYREKNOGLER (EN LGS EPIFYSE AF RNH). GRAVEN ER SKÅRET SÅ DER MÅBLER UNDERGEN.

DER VIRKER TIL AT KOMME YDERLIGERE EN-TO GRAVE UNDER INDIVID X135.

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet Nedgravning: L (cm) B (cm) Topniv.: 250 Bundniv.: 290 Kiste: L (cm) B-øst (cm) B-vest (cm)

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivelelementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Høcker Andet Hoved i -ende af gravBevaring: Tom grav God Middelt Dårlig Længde fra isse til bund af talus (rød):

Højre lårben: 41 cm

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

BEVARING ER DÅRLIG. DET HAR IKKE RIGTIG VÆRET MULIGT AT TAGE MEGET BEVARET KNOGLE OP AF JORDEN. KRANIE ER MIDDLE BEVARET SAMT FEMUR. RESTEN AF SKELETET HAR VÆRET ANTYDNINGER I JORDEN. SAMT MEGET SAMMENPRESSED. GRAVEN ER SKÅRET VED UNDERBEN, SOM HERAF IKKE ER BEVARET.

INGEN UMIDDELBAR ALDER ELLER KØN ER ESTIMERET.

Grav registreret d. 2019 af FIELDSCHOOL

Skelet registreret d. 05.08.21 af RDO Skelet optaget d. 05.08.21 af RDO/BO

Vejr:



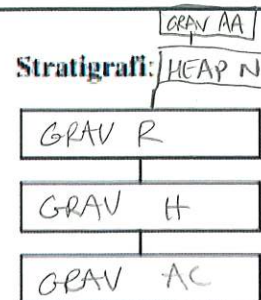
Registrering af grav

Henvielse til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.: T7 T1



Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

UNDER BÆKKENET SAMME SORTE TRÆKULSLAG som i GRAV R. Kraniet i GRAV AC, x188, ligger (ej optaget) med højre femur gennem sig

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet

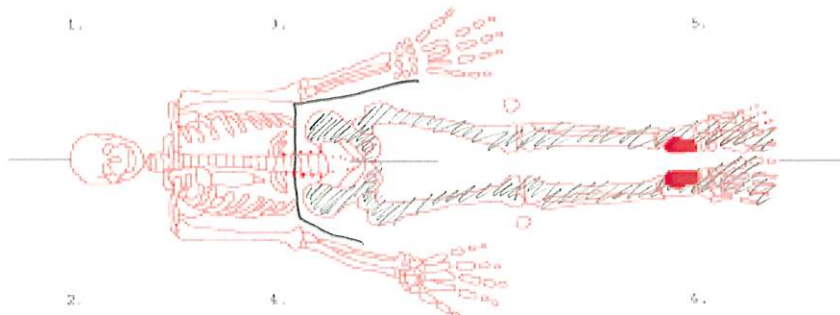
Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet

Nedgravning: L (cm) / B (cm) / Topniv.: 239 Bundniv.: / Kiste: L (cm) / B-øst (cm) / B-vest (cm) /

FIX: 147

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellelementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.



Skelettets stilling i graven: Front op Front ned Høcker Andet

Hoved i V-enden af grav

Bevaring: Tom grav God Middel Dårlig

Længde fra isse til bund af talus (rød):

Højre lårben:

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

Grav registreret d. 10/8-21 af FR

Skelet registreret d. 10/8-21 af FR

Skelet optaget d. 10/8-21 af FR

Vejr:

Registrering af grav

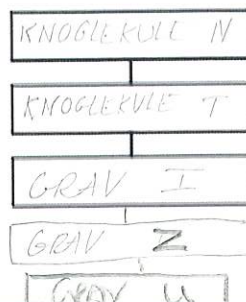
Henvisning til X-numre fra samme grav: X152, X153, X119, X120, X143

Digitalfotos:

S/H-fotos:

T-nr.: 15

Stratigrafi:



Jordprøver:

- TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

BEMÆNK REGISTRERET SÅVÆL GRAV I, DA DE BLEV FØLGT OP I EN
 SAMMENSAT EN KNOGLESKUL, N, OG REGISTRERET I EN TABELL, T. T
 SKÅRE HELE OVERKROPPEN PÅ HÆR HØJDE OVER OG UNDERARM, DER SJUN-
 AT VÆRE I EN B-ARMSTILLING. GRAVFYLDET ER ALM. KIRKEGÅRDSJORD MED
 VIRKELIG MANGEL INKLUSIONER AF STORRE STUKKED TRÆKUL. I BEGRAVNINGEN
 IKKE SET.

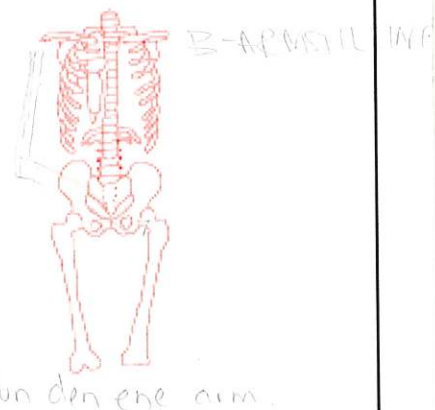
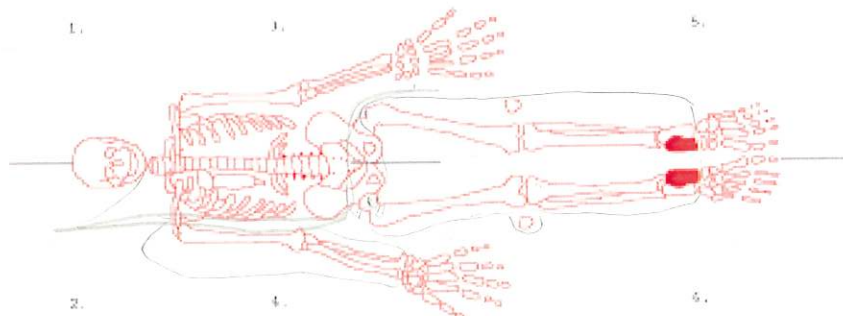
Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet

Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet

Nedgravning: L (cm) 237 B (cm) 147 Topniv.: % Bundniv.: 237 Kiste: L (cm) B-øst (cm) B-vest (cm)

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør niveaulementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.



Skelettets stilling i graven: Front op Front ned Hocker Andet

Hoved i 1/2-ende af grav

Bevaring: Tom grav God Middel Dårlig

Længde fra isse til bund af talus (rød):

Højre lårben: 46cm

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

MANGLER FØDDERNE. KØN OG ALDER KAN IKKE UMIDDELBART BESTEMMES.
 I BEGRAVNINGEN VARIERENDE FØR OVER I EN UNDERKØD, ENDE VISTENDE
 ER BEDST BEVARET (MED ANOMALISER AF FØDDERNE)

Grav registreret d. 8/8-21 af FR/ABO
 Skelet registreret d. 8/9/21 af FR/ABO Skelet optaget d. _____ af _____

Vejr: overskyet
LCT VIND

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: J

Skelet: X116

Registrering af grav

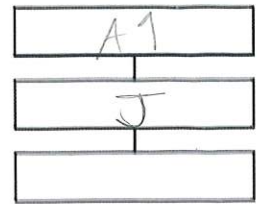
Henvielse til X-numre fra samme grav: X117 (1. og 2. jord)

Digitalfotos:

S/H-fotos:

T-nr.: T3, T1

Stratigrafi:



Jordprøver:

- TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet

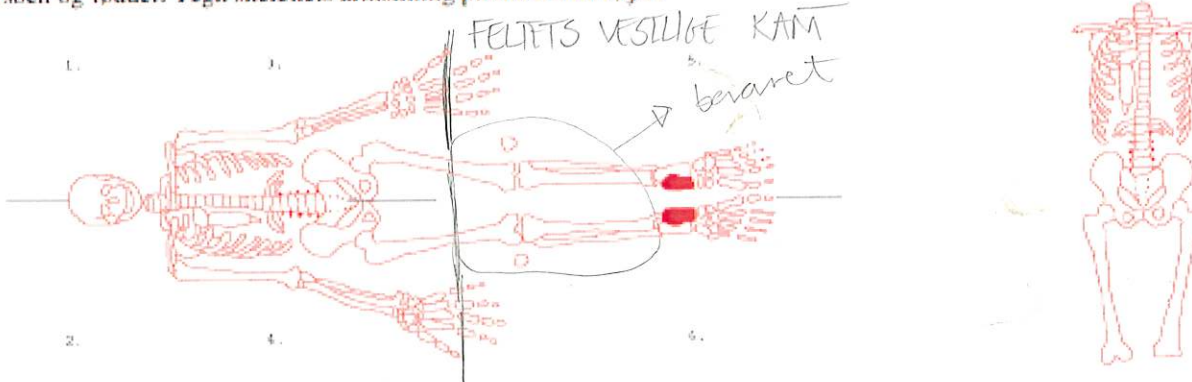
Gravtype: Langoval kistelos Trækiste Stensat grav Muret grav Andet

Nedgravning: L (cm) _____ B (cm) _____ Topniv.: _____ Bundniv.: 219 Kiste: L (cm) _____ B-øst (cm) _____ B-vest (cm) _____

FIX 147

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivelementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.



Skelettets stilling i graven: Front op Front ned Hocker Andet

Hoved i V-ende af grav

Bevaring: Tom grav God Middel Dårlig

Længde fra isse til bund af talus (rød): _____

Højre lårben: _____

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

SKELET E OPTAGET DA OVERKROPPEN LIGER IND UNDER FELTETS KANT

Grav registreret d. 2/8-21 af AVG/DDP
 Skelet registreret d. 2/5-21 af AVG/DDP Skelet optaget d. _____ af _____

Vejr: skyet sol

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: L

Skelet: X157

Registrering af grav

Henvisning til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.: T1, T3

Stratigrafi:

X157

Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

IKKE UDGRAVET - LIGGER PÅ LANGS IND UNDER DEN NORDLIGE FELT-GRÆNSE. KUN PÅNDEBENET ER EKSPOSERET

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet

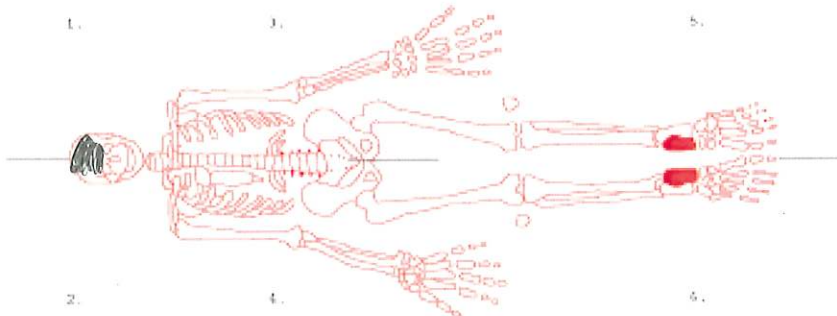
Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet

Nedgravning: L (cm) _____ B (cm) _____ Topniv.: 213 Bundniv.: _____ Kiste: L (cm) _____ B-øst (cm) _____ B-vest (cm) _____

FIX. 147

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivelementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.



Skelettets stilling i graven: Front op Front ned Hocker Andet

Hoved i _____-ende af grav

Bevaring: Tom grav God Middel Dårlig

Længde fra isse til bund af talus (rød):

Højre lårben:

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

EJ OPTAGET

Grav registreret d. 7/8-21 af JDDP

Skelet registreret d. _____ af _____ Skelet optaget d. _____ af _____

Vejr:

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: MSkelet: X128

Registrering af grav

Henvielse til X-numre fra samme grav:

Digitalfotos: 100-0003/4

S/H-fotos:

T-nr.: T4

Stratigrafi:

X 150
X 128

Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)
 55, 56, 57, 58, 59, 510

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

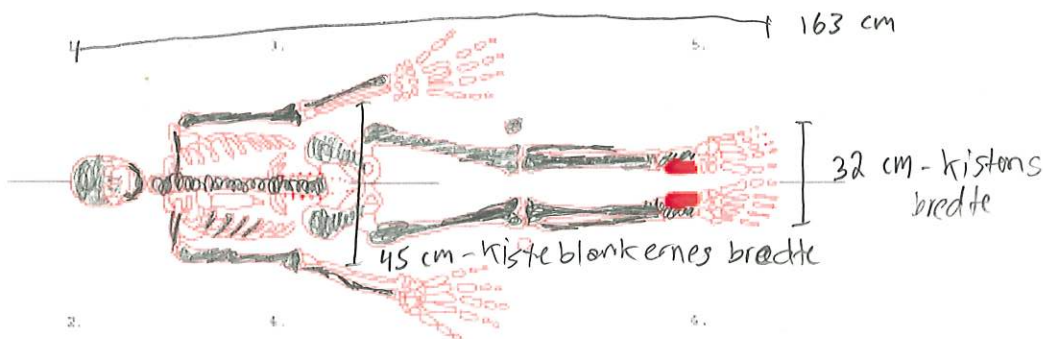
I GRAV M FINDER MAN TRÆ DER INDIKERER TIL TRÆKISTE.
 Bløkker i siden under bund og læg, bedst bevaret træ er ved siden af
 syd øst siden, sy
 Kan ikke erkende nedgravning til kisten.
 der har været trækul, der er spredt rundt om bryst regionen.

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet Nedgravning: L (cm) _____ B (cm) _____ Topniv.: _____ Bundniv.: 241 Kiste: L (cm) 178 B-øst (cm) 32 B-vest (cm) _____

Fix: 147

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.



kiste 178 x 110 cm

Skelettets stilling i graven: Front op Front ned Hocker Andet Hoved i -ende af gravBevarelse: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): 163 cmHøjre lårben: 42 cm

Beskrivelse (Bevarelse kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

Skelettet er intakt, men meget knust.

voksen individ, sandsynligvis en mand som knoglerne indikerer, og
 vurderet ud fra kben

Grav registreret d. 03.08.21 af BO

Skelet registreret d. _____ af _____ Skelet optaget d. _____ af _____

Vejr:

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: P

Skelet: X133

Registrering af grav

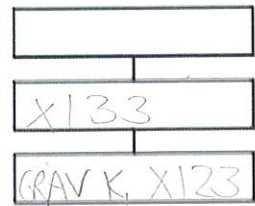
Henvielse til X-numre fra samme grav:

Digitalfotos: 100-0004-6

S/H-fotos:

T-nr.: T3

Stratigrafi:



Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

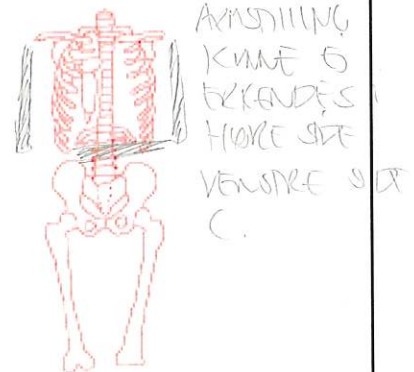
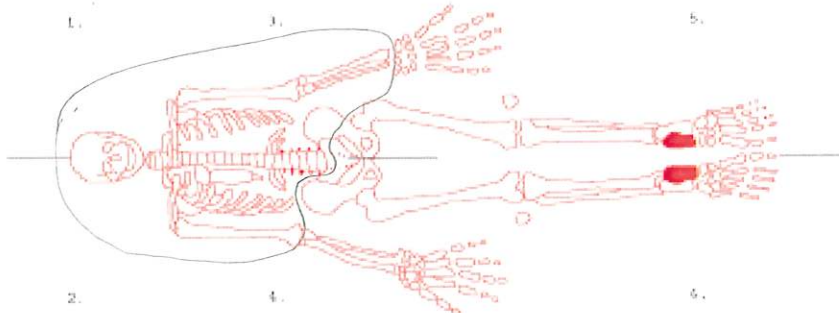
GRAVFYLD MED LIDT TRÆKUL, AFGRÆNSNING MOD SYD KAN ES ERKENDES
 AFGRÆNSNING MOD NORD TYDELIIG (LYST SÅMÅT UMBRUGNING?)
 GRAVEN SKÆRER GRAV K MOD VEST, HVOR DE YDERSTE LED AF FODERNE
 ER KØRNET, ER SKÆRET FRA BÆKKENOMRÅDET OG MED

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet

Nedgravning: L (cm) _____ B (cm) _____ Topniv.: _____ Bundniv.: _____ Kiste: L (cm) _____ B-øst (cm) _____ B-vest (cm) _____

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Høcker Andet

Hoved i V-ende af grav

Bevaring: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): _____

Højre lårben: _____

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

DÅRLIG BEVAREDE KNOGTER. KRANET ER KNUST OG DE FLATE KNOGTER
 LIGER SPREDT. UMBRYKTBEN ER UFORSTÆRKT.
 MÅSKULIN KÆBE OG KRAFTIGE HUMERI, SÅ SANDSNILIGT EN MAND.

Grav registreret d. 1/8-21 af DDP

Skelet registreret d. 7/8-21 af DDP

Skelet optaget d. 7/8-21 af DDP

Vejr: solrigt
let skyet

Registrering af grav

Henvisning til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.: T3

Stratigrafi:

GRAV W, X159

X137

GRAV P, X133

Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

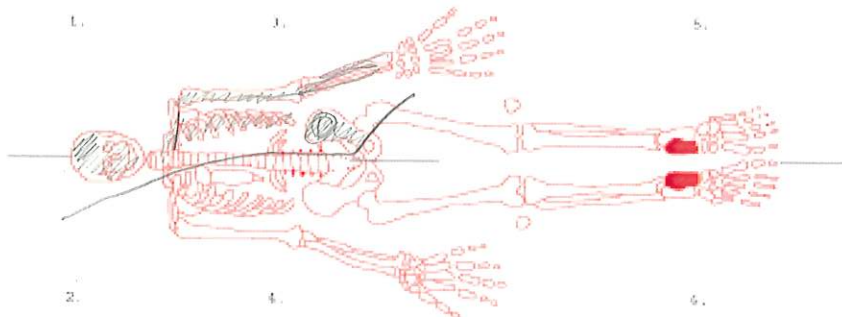
GRAVEN ER SKÆRET MIDT Gennem TURS OG BÆKKEN af MAJDELE
 UNDERBENENE.

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet Nedgravning: L (cm) B (cm) Topniv.: 226 Bundniv.: 244 Kiste: L (cm) B-øst (cm) B-vest (cm)

PIX 145

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Høcker Andet Hoved i V-ende af gravBevaring: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): Højre lårben:

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

FINT BEVARET SKELET DER SKÆRET AF ANDRE GRAVE MOD SYD OG
 MOD ØST.

MASKULIN KÆBE - SAMSYMLIGS EN MAND
 SLIKTE TÆNDER.

Grav registreret d. 6/8-21 af AVGSkelet registreret d. 11/8-21 af DDP Skelet optaget d. 10/8- af RDD

gravning
 Vejr: Ø
 ØRAB

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: R

Skelet: X145

Registrering af grav

Henvisning til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.: T7

Stratigrafi: GRAVE AA

KULE N

GRAV R

GRAV H

Jordprøver: S12 - Trækulslag i grav

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5) TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10) MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

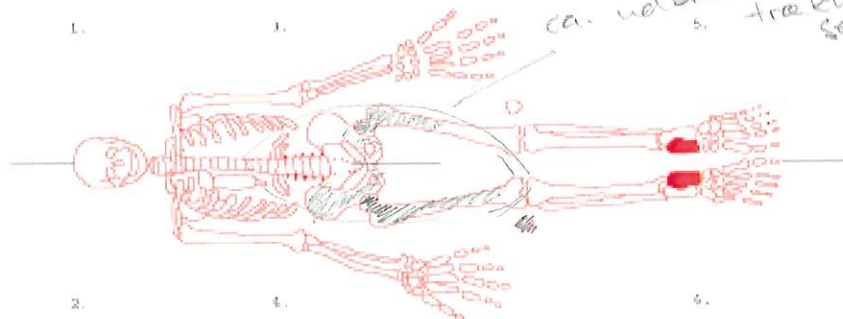
Graven ligger lige over Grav H, således at benknoglerne flugter med hinanden. Fra toppen af underbenene i Grav H og østover i langoval form, som forsvinder efter ca. 60 cm. Trækulslaget er meget fint og indeholder næsten ingen stykker af trækul. Det varierer i tykkelse fra få millimeter til 1-2 cm enkelte steder. Lagets niveau varierer, med flere centimeter, og har enkelte steder en øst form som en nedgravning. Det ligger under knoglerne i Grav R, men enkelte steder også i tynde lag over disse.

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kistelos Trækiste Stensat grav Muret grav Andet Nedgravning: L (cm) _____ B (cm) _____ Topniv.: 222 Bundniv.: 226 Kiste: L (cm) $\frac{?}{?}$ B-øst (cm) $\frac{?}{?}$ B-vest (cm) $\frac{?}{?}$

FIX 137

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Høcker Andet Hoved i $\frac{?}{?}$ -ende af gravBevaring: Tom grav God Middel Dårlig

Længde fra isse til bund af talus (rød):

Højre lårben:

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

To femora. Venstre skåret midtpå. Højre skåret ved nederste ledende. En smule af bækkenet er bevaret i begge sider.

Grav registreret d. 10/9 -21 af AB0/FR

Skelet registreret d. 10/9 -21 af A156/FR

Skelet optaget d. _____ af _____

Vejr: Sol skyfrit

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: S

Skelet: X150

Registrering af grav

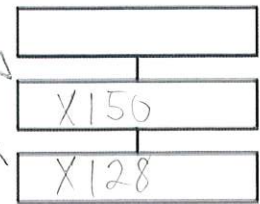
Henvisning til X-numre fra samme grav:

Digitalfotos:

S/H-fotos: 100-0007/8

T-nr.: T4

Stratigrafi:



Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

SE BESKRIVELSE I T4.

STEN & PLANTERKØDDER

NEDGRAVNINGEN HAR IKKE KUNNET LØSEKUNDES. EN DEL AF

TRÆKVIDS JORD UDGRAVET SOM KNYTTER SIG TIL SKULDREBLADET.

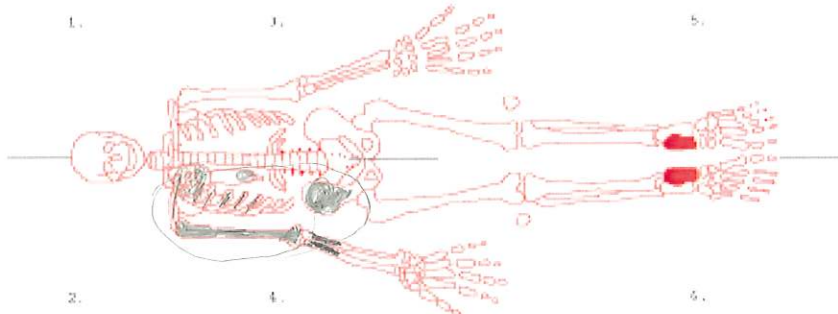
Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet

Gravtype: Langoval kistelos Trækiste Stensat grav Muret grav Andet

Nedgravning: L (cm) _____ B (cm) _____ Topniv.: 216 Bundniv: _____ Kiste: L (cm) _____ B-øst (cm) _____ B-vest (cm) _____

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivelementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.



UNDER-
ARMENE
ER IKKE
BEVARET.
(MULIGT
LIDT AF
MEDICISKE H.
UNDERARM)

Skelettets stilling i graven: Front op Front ned Hocker Andet

Hoved i ✓-ende af grav

Bevaring: Tom grav God Middel Dårlig

Længde fra isse til bund af talus (rød):

Højre lårben:

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

DÅRLIG BEVARING, HAR IKKE KUNNET OBSERVERE NOGET

Grav registreret d. 06/08-21 af BO

Skelet registreret d. _____ af _____ Skelet optaget d. 07/05-21 af BO

Vejr: SOL /
OVERSKYET

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: USkelet: X183

Registrering af grav

KULET

Henvielse til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.:

Stratigrafi: GRAV I, X118

GRAV Z, X171

GRAV U, X183

Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

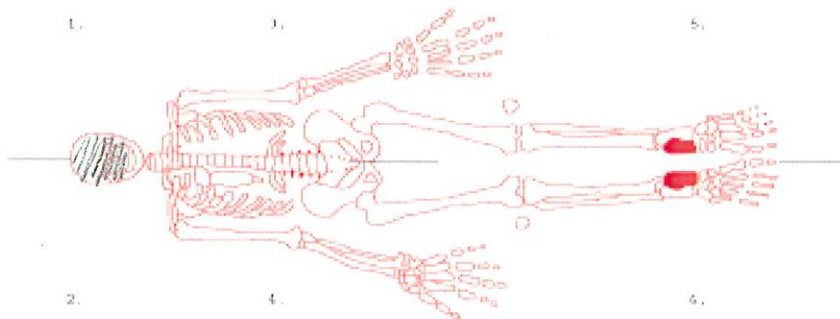
MULIG GRAV DOG KUN ERKENDT VED VELBEVAET KRANIUM PUSFRET
 UER GRAV Z.

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet Nedgravning: L (cm) _____ B (cm) _____ Topniv.: 233 Bundniv.: _____ Kiste: L (cm) _____ B-pst (cm) _____ B-vest (cm) _____

FIX 147

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Hoer Andet Hoved i V-ende af gravBevaring: Tom grav God Middel Dærlig Længde fra isse til bund af talus (rød): ✓Højre lårben: ✓

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

VELBEVAET KRANIUM IKKE UDGRAVET KESTEN AF SKELETTET.
 EJ OPTAET

Grav registreret d. 9/8-21 af ABO

Skelet registreret d. _____ af _____ Skelet optaget d. _____ af _____

Vejr: ☀

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: VSkelet: X158

Registrering af grav

Henvisning til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.:

Stratigrafi:

GRAV WGRAV V

Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

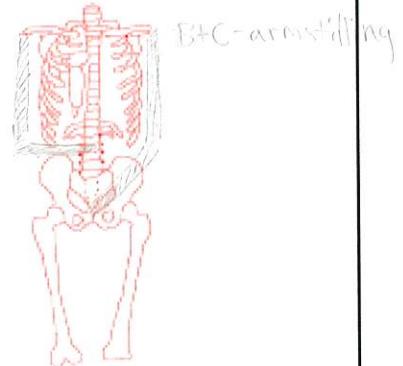
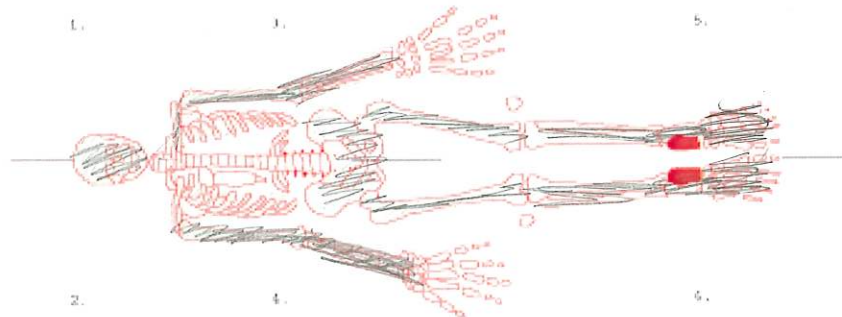
Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

Nedgravning kan ses i den nordøstlige ende (fødder), men eller ikke. Gravfyldet indeholder mindre stykker trækul. Gravens venstre (nord) side er fyldt af flere beklæbninger, der ligger rodet. Løse knogler også over fødderne.

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet Nedgravning: L (cm) B (cm) Topniv.: Bundniv.: Kiste: L (cm) B-øst (cm) B-vest (cm)

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Hocker Andet Hoved i V-ende af gravBevaring: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): Højre lårben: 43cm

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

Bevaringen er blandet,

Grav registreret d. 9/8/21 af FRSkelet registreret d. 9/8/21 af Skelet optaget d. af

Vejr:

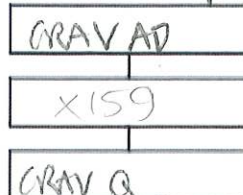
Registrering af grav

Henvielse til X-numre fra samme grav: X187, X189, X190, X193

Digitalfotos:

S/H-fotos:

T-nr.:

Stratigrafi: GRAV VJordprøver: JORDPRØVE FRA UNDER KRANIE - MAKROFOSSILERTM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5) TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10) MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

GRAVEN ER FUNDET LIGE UNDER GRAV V OG GRAV AD.
 FYLDET ER MEGET KOMPAKT MØRKT LERET NOGLE STEDER.
 DERUDOVER ER DER SMÅ TRÆKULSTYKKER.
 MEDGRÅMMEN KAN IKKE ERKENDES

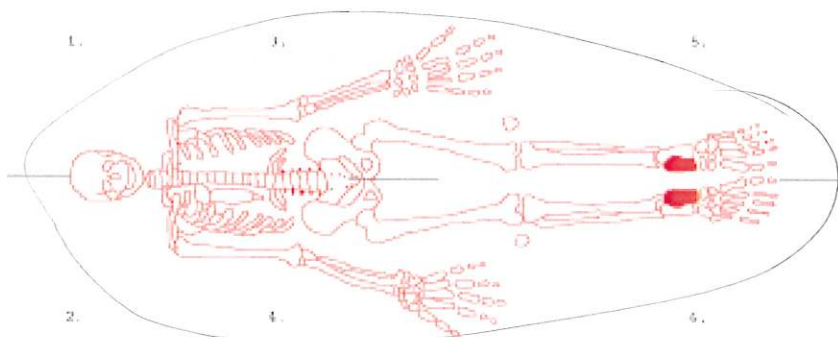
Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet INGEN SYNLIGE NEDGRÅNINGERNedgravning: L (cm) $\frac{0}{5}$ B (cm) $\frac{0}{5}$ Topniv.: 231 Bundniv.: 241 Kiste: L (cm) $\frac{0}{0}$ B-øst (cm) $\frac{0}{0}$ B-vest (cm) $\frac{0}{0}$

FIX 137

↑
MAVE
REGION

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivelementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Hoer Andet Hoved i V-ende af gravBevarelse: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): 165Højre lårben: VENSTRE
46

Beskrivelse (Bevarelse kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

VELBEVARET SKELET FRA MAVEREGION OG MEDAV
 AD PLACERET LIGE ØVENOVER MED KUN LIT UD I MELLEM
 ROBUSTE KNØGLER OG UNDERKÆBE, SÅ SANDSYNLIGVIS EN MAND
 LØGNET I HAST - FUNDET UD MIDDAGSTID PÅ SIDSTE BAGEN

Grav registreret d. 10/8-21 af DDPSkelet registreret d. 10/8-21 af RDOSkelet optaget d. 10/8-21 af RDO/DDP/RDO

Vejr:



Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: X

Skelet: X160

Registrering af grav

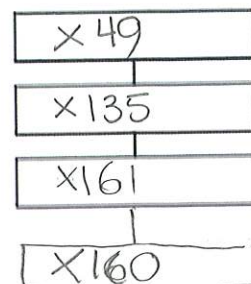
Henvisning til X-numre fra samme grav: X166, X163, (X162) X164

Digitalfotos:

S/H-fotos:

T-nr.:

Stratigrafi:



Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

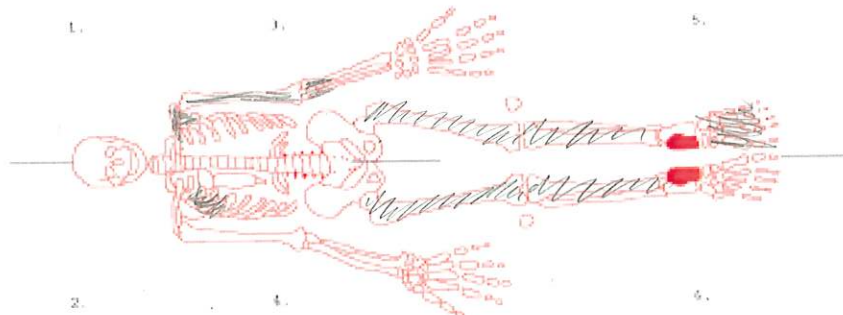
GRAVFYLD ER PRÆGET AF MINDRE STEN OG MINDRE STYKKER TRÆKUL. NOGLE STEN PÅ STØRRELSE MED KNYTNAEVE DET HAR IKKE VÆRET MULIGT AT SE NEDGRAVNINGER FOR GRAVEN. GRAVEN LIGER I STRATEGIFAFISKE RELATIONER MED G, D OG Y. GRAVEN ER PLACERET PRÆCIS PÅ TOPPEN (UNDER?) AF GRAV Y. MÅSKE KAN KNOGLESKULE (E) (2019-HEAD (E)) VÆRE LØSE KNOGLER FRA Y OG X?

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kistløs Trækiste Stensat grav Muret grav Andet : NEDGRAVNING IKKE MULIGT AT SENedgravning: L (cm) $\frac{0}{0}$ B (cm) $\frac{0}{0}$ Topniv.: $\frac{0}{0}$ Bundniv.: 241 Kiste: L (cm) $\frac{0}{0}$ B-øst (cm) $\frac{0}{0}$ B-vest (cm) $\frac{0}{0}$

FIX: 147

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Hocker Andet Hoved i $\frac{0}{0}$ -ende af gravBevaring: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): $\frac{0}{0}$

Højre lårben: ---

VENSTRE 42

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

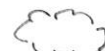
BEVARING ER UANVITIG DÆRLIG BÅDE KVALITET OG KVANTITIV ER LAV. DER ER IKKE ESTIMERET EN UMIDLBAR ALDER ELLER KØN. INGEN SÆRLIGE OBSERVATIONER.

Grav registreret d. 7/8-21 af DDP

Skelet registreret d. 8/8-21 af RDO

Skelet optaget d. 8/8-21 af RDO

Vejr:



Registrering af grav

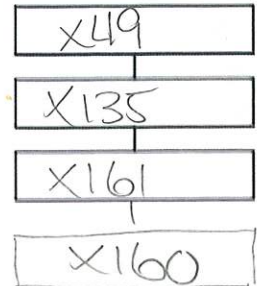
Henvisning til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.:

Stratigrafi:



Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

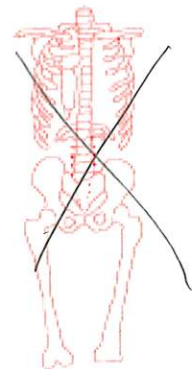
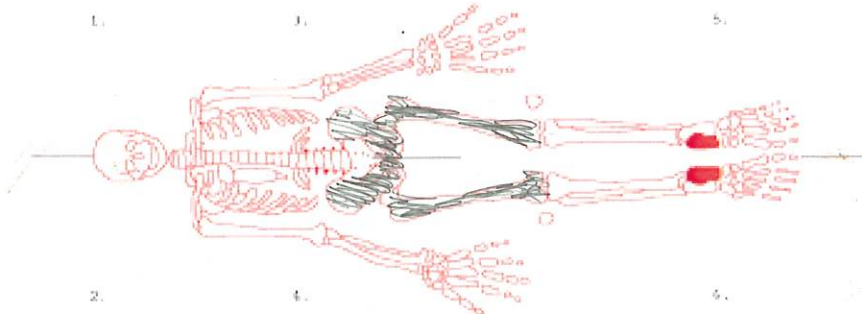
SE BESKRIVELSE PÅ GRAVSKEMA TIL GRAV X, X160

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kiste Trækiste Stensat grav Muret grav Andet INGEN SYNLIG NEDGRAVNINGNedgravning: L (cm) B (cm) Topniv.: Bundniv.: 240 Kiste: L (cm) B-øst (cm) B-vest (cm)

FIX: 147

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivelementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Høcker Andet Hoved i $\frac{0}{0}$ -ende af gravBevaring: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): $\frac{0}{0}$ Højre lårben: $\frac{0}{0}$

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

BEVARING BÅDE KVALITATIVT OG KVANTITATIVT ER MEGET DÅRLIG.
 KUN LÅRBEIN (FEMUR) ER BEVARET. GRAVEN ER MULIGVIS SKÅRET AF
 GRAV G OG D.

INGEN YDERLIGERE OBSERVATIONER ELLER ESTIMATER PÅ ALDER OG
 KØN.

Grav registreret d. 7/8-21 af DDPSkelet registreret d. 8/8-21 af RDOSkelet optaget d. 8/8-21 af RDO

Vejr:

Registrering af grav

Henvisning til X-numre fra samme grav: X173

Digitalfotos:

S/H-fotos:

T-nr.:

Stratigrafi:

Grav I
Grav Z
Grav U

Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

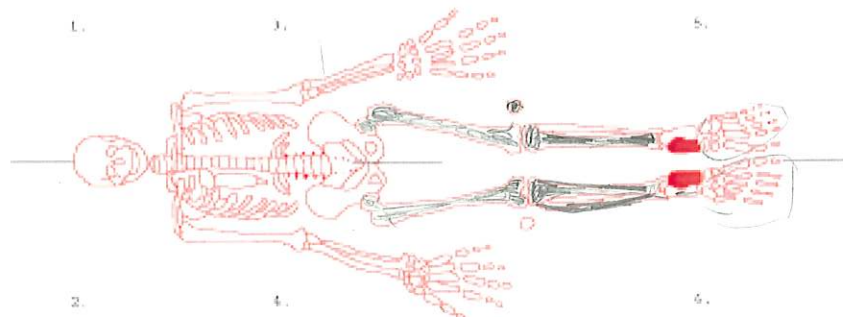
Benene er registeret som grav Z, hvor ^{støbe stykker} trækul er blandt benene. Graven ligger lige under grav I, hvor der også er ingen dør-krop i forhold til stratigrafien, vi håbede på at det var en del af grav U.

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet Nedgravning: L (cm) --- B (cm) --- Topniv.: 232 Bundniv.: 233 Kiste: L (cm) --- B-øst (cm) --- B-vest (cm) ---

FIX = 110

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivelementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Høcker Andet Hoved i $\frac{\circ}{\circ}$ -ende af gravBevaring: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): ---Højre lårben: 43cm

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

Bevaring både kvalitet og kvantitet halvdårlig, hvor femur og tibia er bevaret men meget skræbeligt. Hvor tibia på venstre ikke ses. Graven er meget forstyret, hvor der er knogler oven i og under.

Grav registreret d. 09/08-21 af ABOSkelet registreret d. --- af --- Skelet optaget d. --- af ---

Vejr:

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: AA

Skelet: X180

Registrering af grav

Henvielse til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.: T7

Stratigrafi:

AA

GRAV R

GRAV H

Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5) TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10) MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

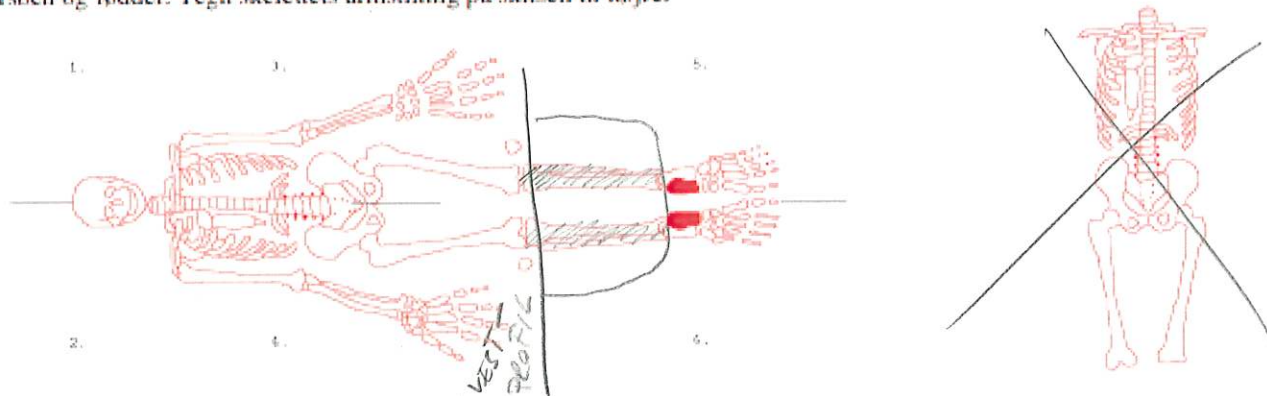
Almindelig kirkegårdsgrav. Ingen nævneværdig trækul.

Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kistelos Trækiste Stensat grav Muret grav Andet Nedgravning: L (cm) B (cm) Topniv.: 225 Bundniv.: 228 Kiste: L (cm) B-øst (cm) B-vest (cm)

FIX: 137

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Høcker Andet Hoved i -ende af gravBevaring: Tom grav God Middel Dårlig Længde fra isse til bund af talus (rød): Højre lårben:

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

TO underben uden fødder (skåret?) som stikker ud af vestprofilen mellem 295-310/0. Grav ikke fuldt nedgravet og skelet ikke optaget.

Grav registreret d. 10/9-21 af FR

Skelet registreret d. 10/9-21 af FR

Skelet optaget d. 7. af

Vejr:

Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: AC

Skelet: X188

Registrering af grav

Henvielse til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.:

Stratigrafi:

KYE T

GRAV R, X145

GRAV H, X108

X188

Jordprøver:

- TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
- TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
- MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

IKKE UDGRAVET.

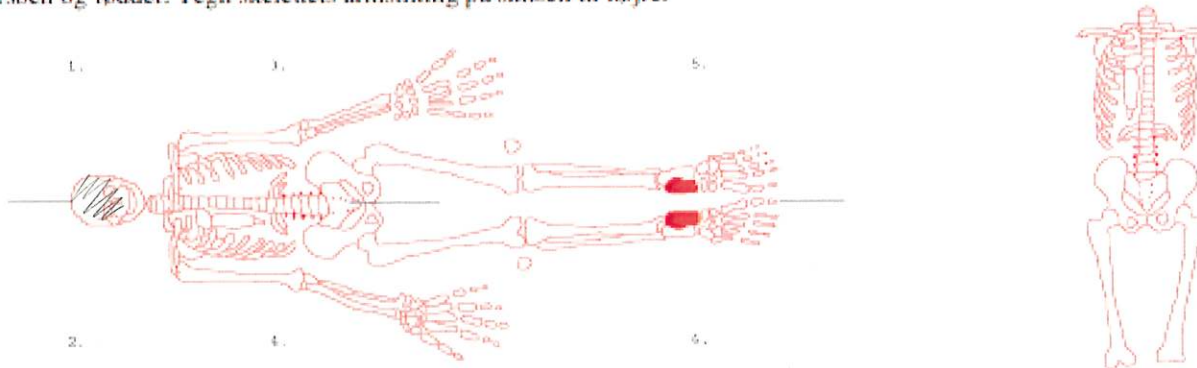
Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet

Gravtype: Langoval kisteløs Trækiste Stensat grav Muret grav Andet

Nedgravning: L (cm) _____ B (cm) _____ Topniv.: _____ Bundniv.: _____ Kiste: L (cm) _____ B-øst (cm) _____ B-vest (cm) _____

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.



Skelettets stilling i graven: Front op Front ned Høcker Andet

Hoved i _____-ende af grav

Bevaring: Tom grav God Middel Dårlig

Længde fra isse til bund af talus (rød): _____

Højre lårben: ✓

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

ES OPTAGET

OK BEVARET KRANIMUM LIGER LIGT UNDER SKELET I GRAV H

↳ KAN VÆRE LØSFUND, DA LIGER SKELET I GRAVEN

Grav registreret d. 10/8-21 af FR

Skelet registreret d. _____ af _____ Skelet optaget d. _____ af _____

Vejr:



Journalnr.: KNK 4201, Ø47 Igaliku 2021

Grav: AD

Skelet: X192

Registrering af grav

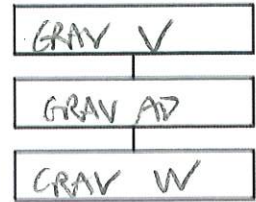
Henvisning til X-numre fra samme grav:

Digitalfotos:

S/H-fotos:

T-nr.: T8

Stratigrafi:



Jordprøver:

TM1-H (1) TM2-H (2) TM5-H (3) TM10-H (4) TM25-H (5)
 TM1-V (6) TM2-V (7) TM5-V (8) TM10-V (9) TM25-V (10)
 MF bryst (11) Mave (12) Tarm (13) DNA (14) MF hoved (15)

Beskrivelse (Gravfyld, relationer, konstruktion, dimensioner m.m.)

GRAY HURT FORSTVRET MEN ARTIKULÆRET IN SITU I BÆKEN, ALBUKLEDET,
 UNDERARM OG ØLJES HÅND BEVARET.
 LIGER LIGE UNDER GRAY V OG LIGE OVER GRAY W

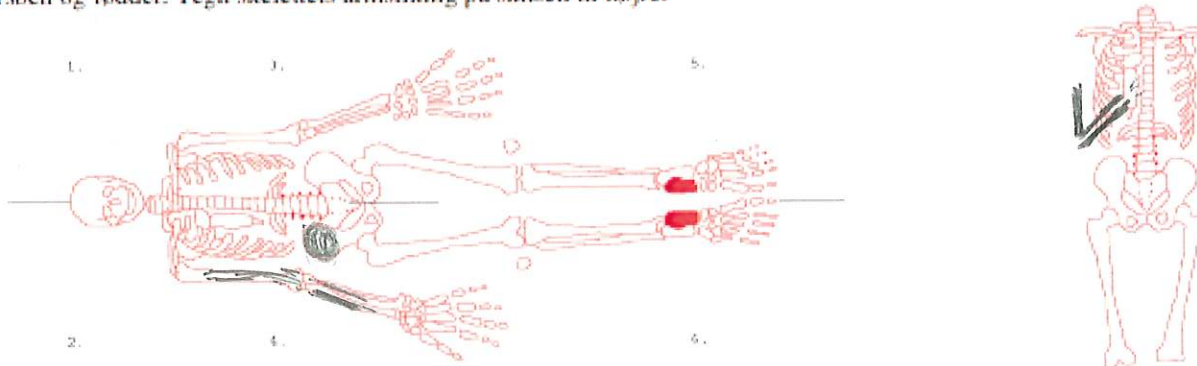
Komponenter i gravfyld: Tegl Mørtel Frådsten Trækul Andet Gravtype: Langoval kistelos Trækiste Stensat grav Muret grav Andet

Nedgravning: L (cm) / B (cm) / Topniv.: 231 / Bundniv.: 241 / Kiste: L (cm) / B-øst (cm) / B-vest (cm)

Fix 137

Registrering af skelet

Angiv med cirkel, hvilke dele af skelettet, der er bevaret. Anfør koordinater for de 6 målepunkter. Anfør nivellementer for hoved, korsben og fødder. Tegn skelettets armstilling på skitsen til højre.

Skelettets stilling i graven: Front op Front ned Hoer Andet

Hoved i V-ende af grav

Bevaring: Tom grav God Middel Dårlig

Længde fra isse til bund af talus (rød): /

Højre lårben: /

Beskrivelse (Bevaring kvalitativ/kvantitativ, evt. patologi, brud, køn og alder, særlige observationer m.m.)

DELE AF HØJRE ØRES OVERARM, UNDERARM OG HÅND BEVARET
 FUNDET OG GRAVET I HAST PÅ SIDSTE DAGEN

Grav registreret d. 10/8-21 af RDO, BO, DDP

Skelet registreret d. 10/8-21 af RDO, DDP, BO

BO

Vejr:

