

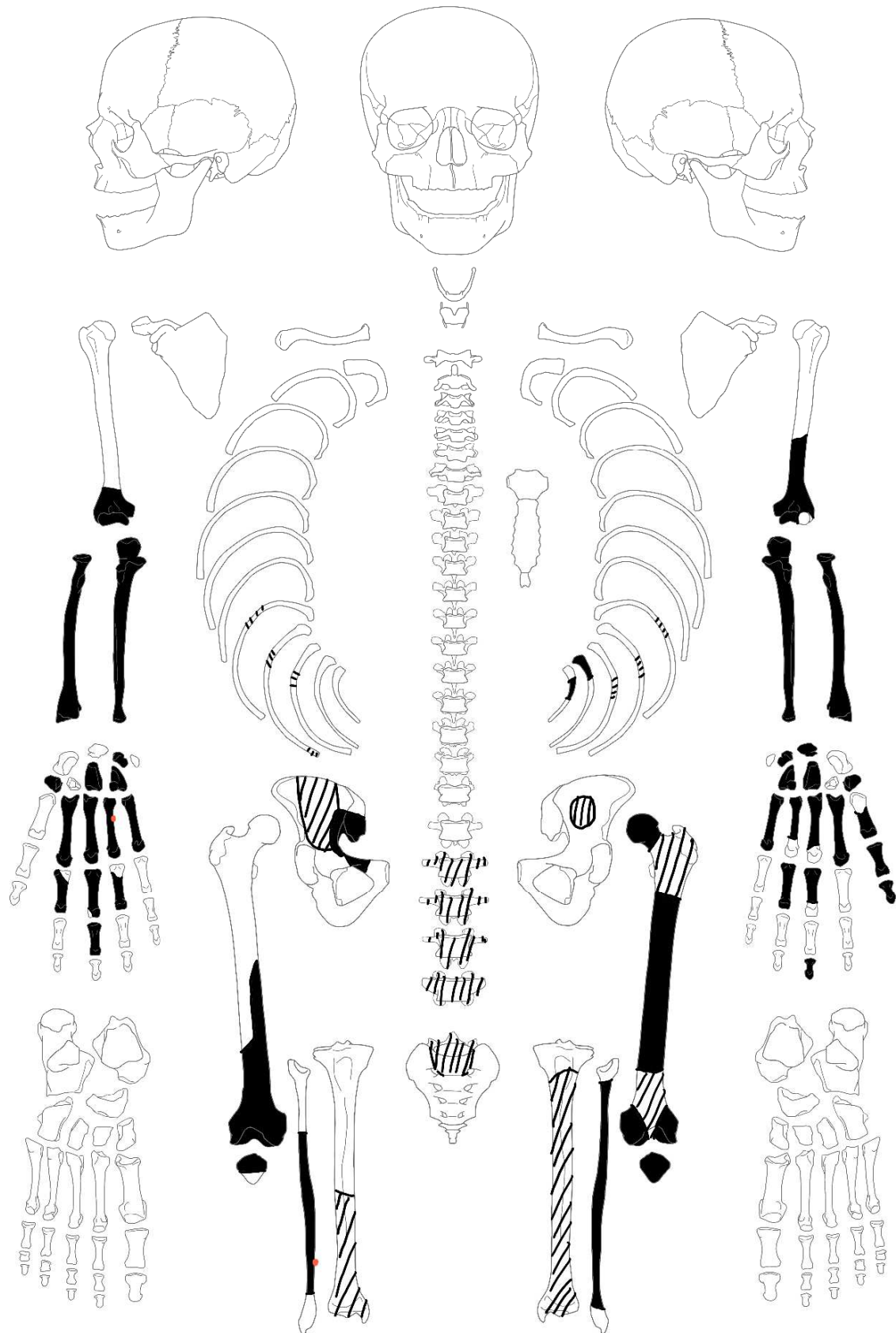
Algemeen	Werkput	5
	Vlak	1
	Spoor	/
	Type graf	Kist
	Objecten	Kistnagels



Overzichtsfoto individu in situ

Bio ID	Geslacht	M
	Leeftijd	>19
	Lengte	173,58 cm

SKELETAL STATUS

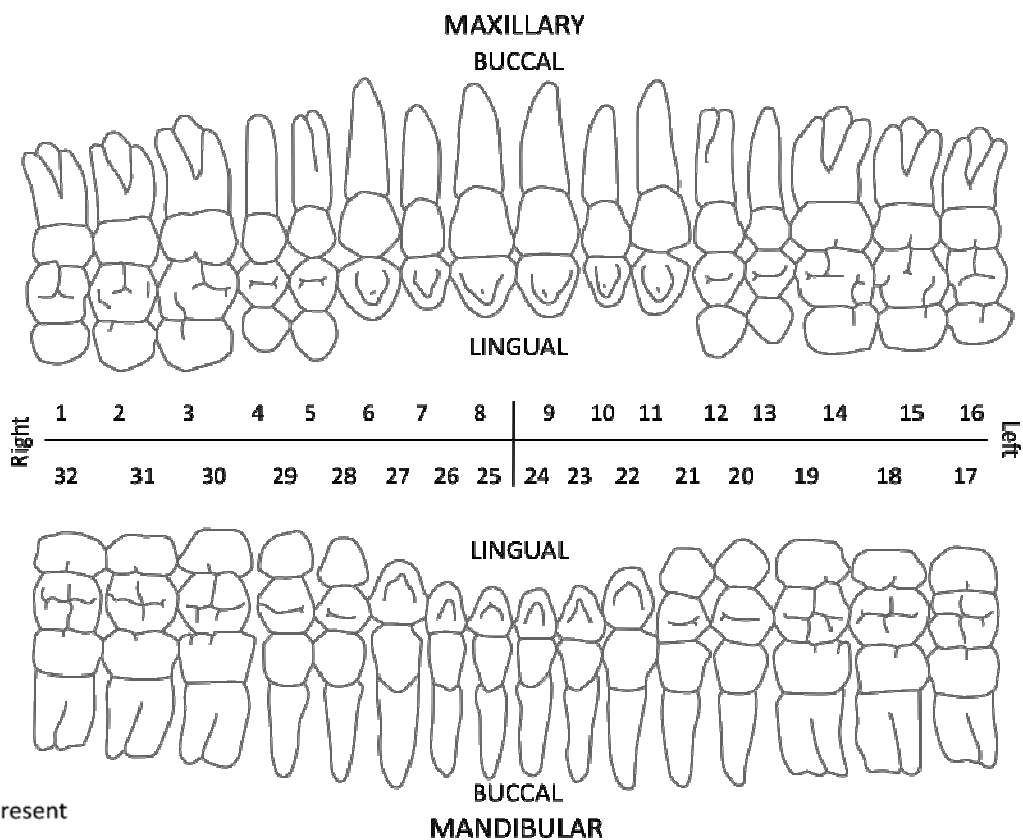


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	M			M	I1	9	
7	I2	M			M	I2	10	
6	C	M			M	C	11	
5	Pm1	M			M	Pm1	12	
4	Pm2	M			M	Pm2	13	
3	M1	M			M	M1	14	
2	M2	M			M	M2	15	
1	M3	M			M	M3	16	
25	I1	M			M	I1	24	
26	I2	M			M	I2	23	
27	C	M			M	C	22	
28	Pm1	M			M	Pm1	21	
29	Pm2	M			M	Pm2	20	
30	M1	M			M	M1	19	
31	M2	M			M	M2	18	
32	M3	M			M	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)				
	Epicondylar breadth (M>60.1; F<60.1)			68,1	M
Femur	Max head diameter (M>48; F<43)	51,4	M		
	Epicondylar breadth (M>76; F<74)			86,4	M
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{0}{33} =$	<div>/</div>
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{0}{9} =$	<div>/</div>
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{10}{5} =$	<div>2</div>

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella			3	0
Nuchal plane/crest			3	0
Parietal & frontal bossing			2	0
External occipital protuberance			2	0
Frontal inclination			1	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect			3	0
Mental eminence			2	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	M	2	3	6
Pubic arc/angle	/		0	0
Arc composé	M	2	2	4
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	
	2	Lambda	
	3	Obelion	
	4	Ant. Sagittal	
	5	Bregma	
	6	Midcoronal	
	7	Pterion	
	Composite score		
	Age range		
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)					
Bone	Site	Open	Partial	Closed	
Skull	Jugular synchondroses	< 34	22-34	> 22	
Scapula	Acromion	< 20	15-20	> 15	
	Medial border	< 23	19-23	> 19	
Clavicle	Medial	< 23	17-30	> 21	
Ribs	Heads	< 21	17-22	> 19	
Sacrum	S1-S2 bodies	< 27	14-30	> 21	
Pelvis	Iliac crest	< 20	14-22	> 18	
Manubrium	1st costal notch	< 23	18-25	> 21	
Sternum	B1-B2	< 25	15-25	> 15	
	B2-B3	< 20	15-20	> 11	
	B3-B4	< 15	11-20	> 4	
	B4-Xiphoid	< 40	-	> 35	
	Skeletal age	>19			

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$					4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$			26,9	173,58	4,32
Femur	$61,41 + 2,38 \times \text{fem}$	48	175,65			3,27
Tibia	$78,62 + 2,52 \times \text{tib}$					3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

Opmerking: Femur is in situ meting

Algemeen	Werkput	5
	Spoor	/
	Vlak	2
	Type graf	Kuil, niet overtuigend in kist of lijkwade
	Objecten	/

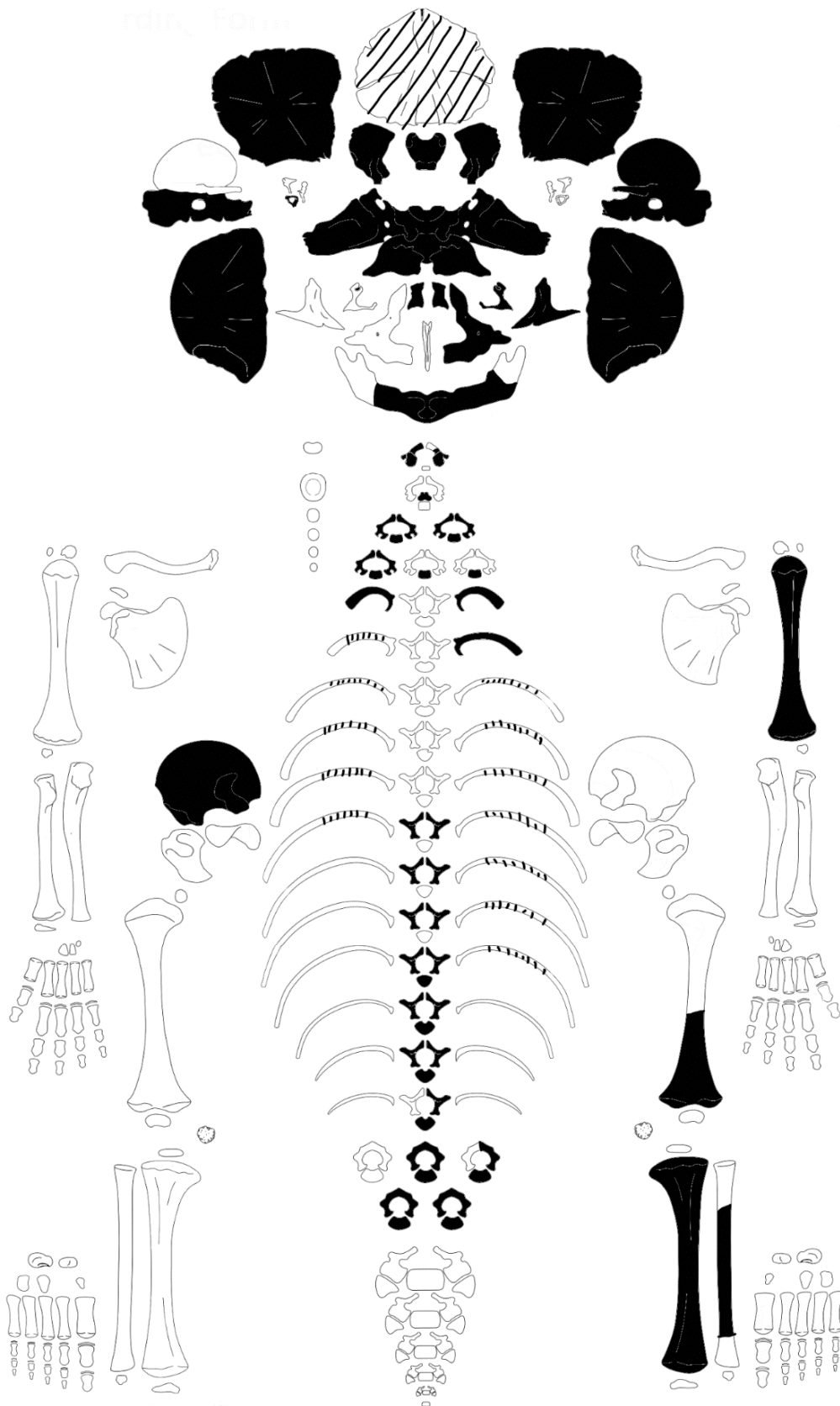


Overzichtsfoto individu in situ (links)

Bio ID	Leeftijd	rond de geboorte, 38 weken
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SKELETAL STATUS

rding Form



-  Present
-  Absent
-  Damaged

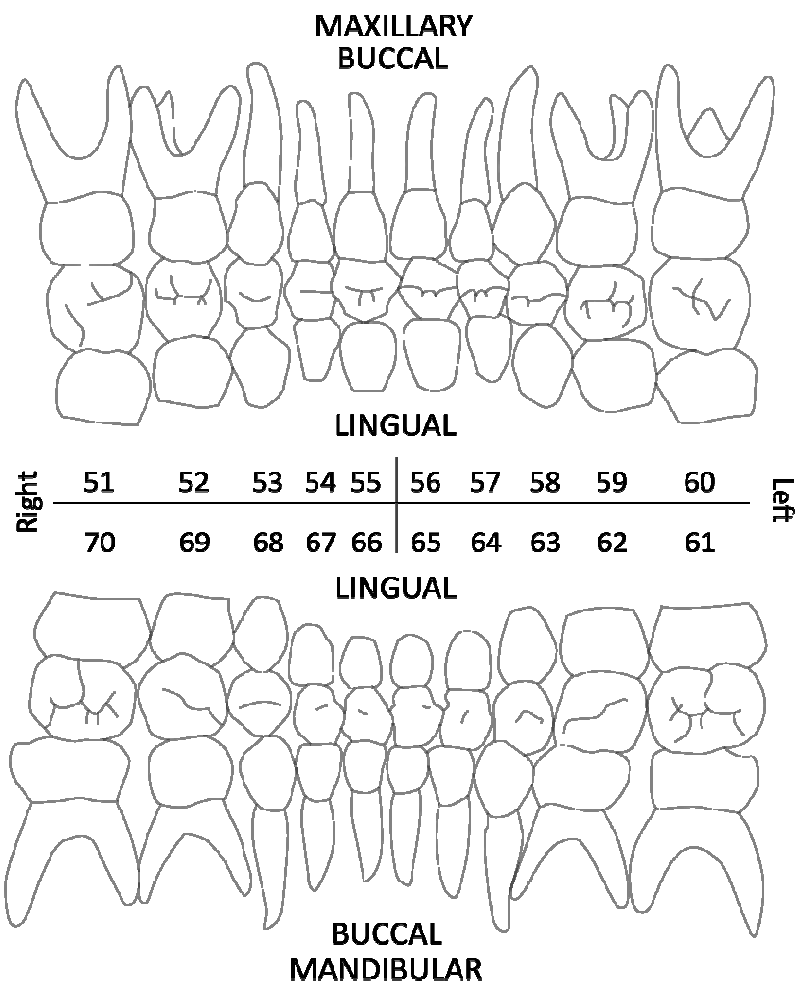
DENTAL STATUS

DECIDIOUS DENTITION

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
55	di1	M			PM	di1	56	
54	di2	M			PM	di2	57	
53	dc	M			PM	dc	58	
52	dm1	M			PM	dm1	59	
51	dm2	M			PM	dm2	60	
66	di1	PM			PM	di1	65	
67	di2	PM			PM	di2	64	
68	dc	PM			PM	dc	63	
69	dm1	PM			PM	dm1	62	
70	dm2	PM			PM	dm2	61	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



AGE ESTIMATION

Dental eruption and mineralization 1978; WEA 1980)	(Ubelaker	Dental age
		rond geboorte

Skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Posterior fontanelle	< 3	0-3	> 0
	Anterior fontanelle	< 2	0-2	> 0
Sphenoid	Lesser wings to sphenoid body	< 1 mths		> 5 f mths
	Pre Sphenoid to post sphenoid	< 2 mths		> 8 f mths
	Greater wings to sphenoid body	< 12 mths		> 1 mth
	Foramen ovale (Greater Wing)	< 6 mths		> 1 mth
Temporal	Tympanic ring to temporal squamous	< 1 mths		> 9 f mths
	Petromastoid to squamotympanic	< 12 mths		> 9 f mths
Occipital	Supra-occipital to interparietal squama	< 5 f mths		> 5 f mths
	Superior median fissure	< 11 mths		> 5 mths
	Sutura mendosa	< 1,5	5 mths-1,5	> 5 mths
	Partes laterales to squama	< 4	1-4	> 1
	Hypoglossal canal (pars laterales)	< 4	1,5-4	> 1,5
Frontal	Fusion of 2 halves of frontal bone	< 2	9 mths-2	> 9 mths
	Obliteration of metopic suture (generally)	< 4	2-4	> 2
Mandible	Mental symphysis	< 1	0-1	> 0
Vertebrae	Intradental union (C2)	< full term		> full term
	Neural arches of C3-C5	< 2	6 mths-2	> 6 mths
	Neural arches of C2	< 4	3-4	> 3
	Neural arches of C1	< 5	4-5	> 4
	Neural arches to centrum (C3-L5)	< 5	2-5	> 2
	Dens to neural arch	< 4	3-4	> 3
	Centrum to neural arch (C2)	< 6	4-6	> 4
	Neural arch to anterior bar (C1)	< 5	4-5	> 4
Sacrum	lateral element to neural arch	< 5	2-5	> 2
	Wing to centra	< 6	2-6	> 2
Humerus	Greater and lesser tubercles to head	< 6	2-6	> 2
Skeletal age		< 1 maand		

Juvenile longe bone measurements (Schaefer et al. 2009)

Bone	Measurement	L	R	Age
Clavicle	Length (mm)			
Scapula	Length (cm)			
	Width (cm)			
Humerus	Length (mm)	57		38 weken
Radius	Length (mm)			
Ulna	Length (mm)			
Femur	Length (mm)			
Tibia	Length (mm)	57,8		38 weken
Fibula	Length (mm)			

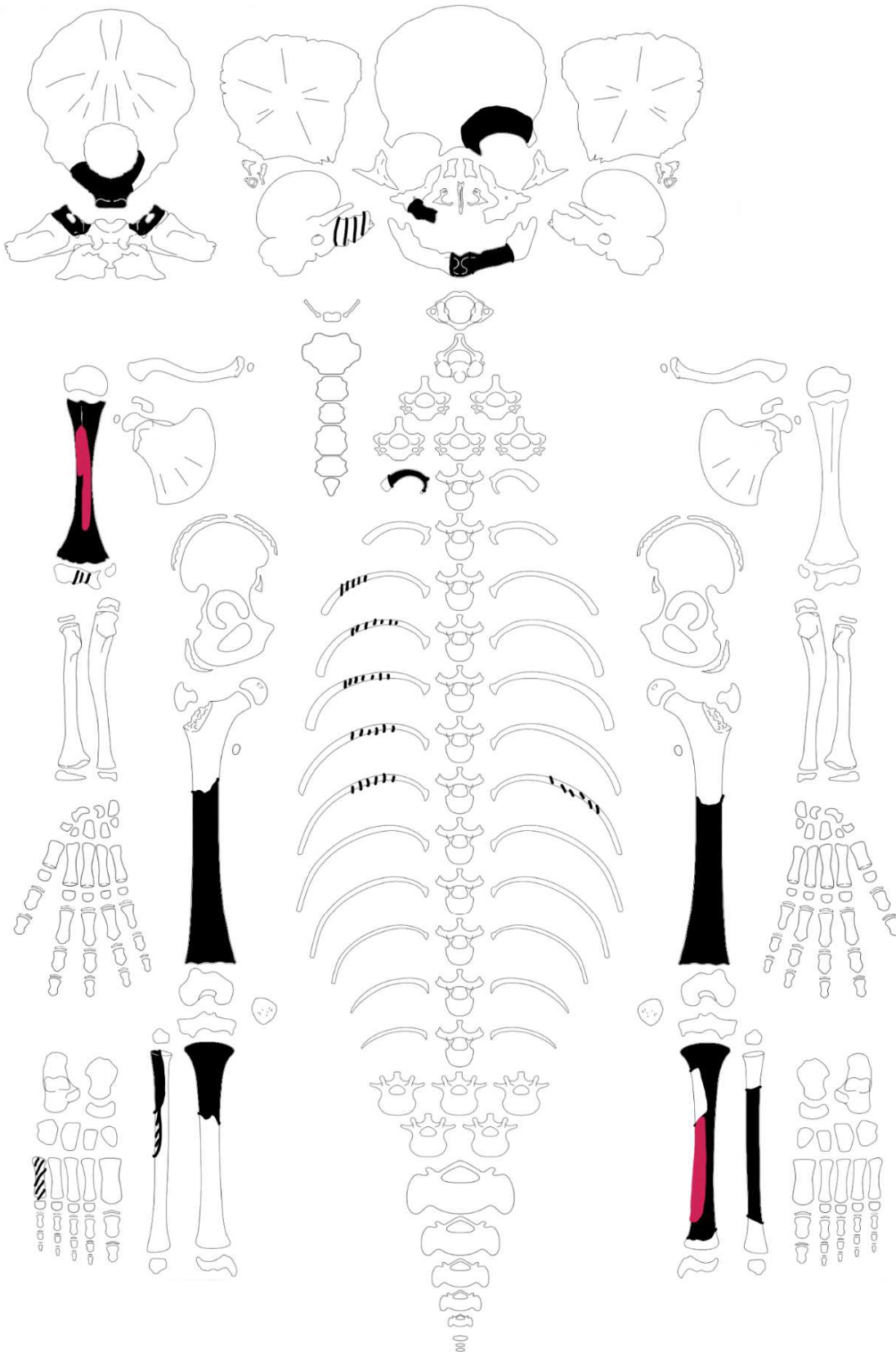
Algemeen	Werkput	5
	Spoor	/
	Vlak	2
	Type graf	Kuil
	Objecten	/



Overzichtsfoto individu in situ (rechts)

Bio ID	Leeftijd	3-6 maanden
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SKELETAL STATUS



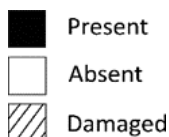
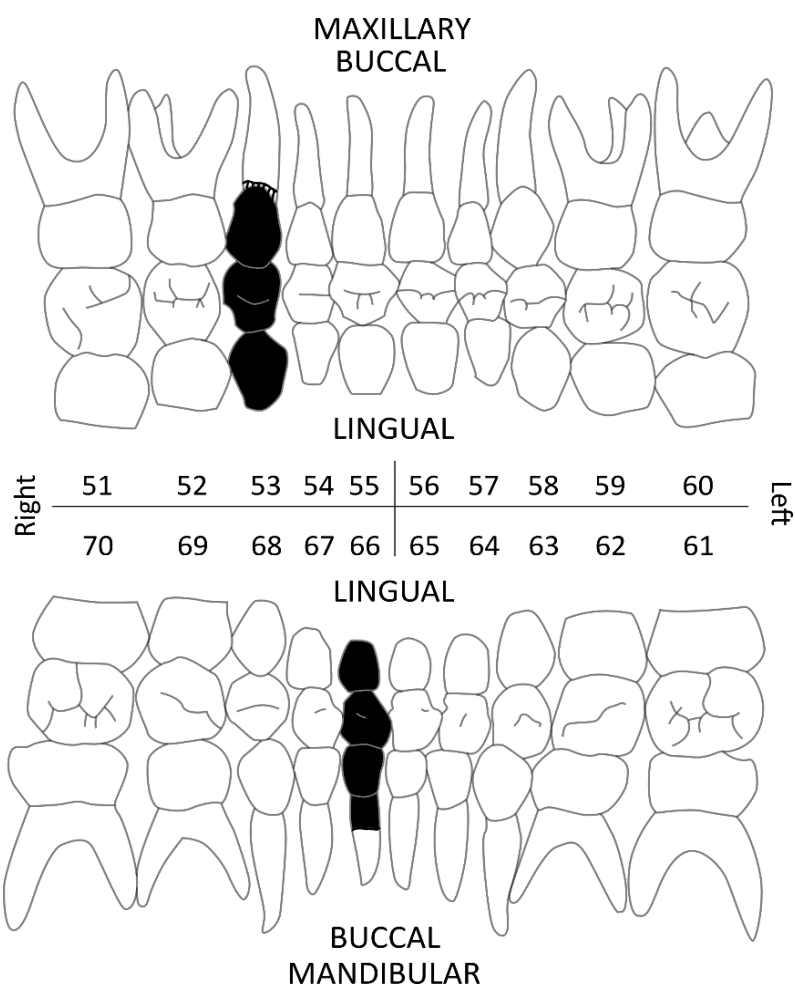
DENTAL STATUS

DECIDIOUS DENTITION

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
55	di1	M			M	di1	56	
54	di2	PM			M	di2	57	
53	dc	E	wortel pm beschadigd		M	dc	58	
52	dm1	PM			M	dm1	59	
51	dm2	PM			M	dm2	60	
66	di1	E	wortel pm beschadigd		PM	di1	65	
67	di2	M		I2 crown 3/4	PM	di2	64	
68	dc	M			PM	dc	63	
69	dm1	M			PM	dm1	62	
70	dm2	M			PM	dm2	61	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



AGE ESTIMATION

Dental eruption and mineralization 1978; WEA 1980)	(Ubelaker	Dental age
		3-9 maanden

Skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Posterior fontanelle	< 3	0-3	> 0
	Anterior fontanelle	< 2	0-2	> 0
Sphenoid	Lesser wings to sphenoid body	< 1 mths		> 5 f mths
	Pre Sphenoid to post sphenoid	< 2 mths		> 8 f mths
	Greater wings to sphenoid body	< 12 mths		> 1 mth
	Foramen ovale (Greater Wing)	< 6 mths		> 1 mth
Temporal	Tympanic ring to temporal squamous	< 1 mths		> 9 f mths
	Petromastoid to squamotympanic	< 12 mths		> 9 f mths
Occipital	Supra-occipital to interparietal squama	< 5 f mths		> 5 f mths
	Superior median fissure	< 11 mths		> 5 mths
	Sutura mendosa	< 1,5	5 mths-1,5	> 5 mths
	Partes laterales to squama	< 4	1-4	> 1
	Hypoglossal canal (pars laterales)	< 4	1,5-4	> 1,5
Frontal	Fusion of 2 halves of frontal bone	< 2	9 mths-2	> 9 mths
	Obliteration of metopic suture (generally)	< 4	2-4	> 2
Mandible	Mental symphysis	< 1	0-1	> 0
Vertebrae	Intradental union (C2)	< full term		> full term
	Neural arches of C3-C5	< 2	6 mths-2	> 6 mths
	Neural arches of C2	< 4	3-4	> 3
	Neural arches of C1	< 5	4-5	> 4
	Neural arches to centrum (C3-L5)	< 5	2-5	> 2
	Dens to neural arch	< 4	3-4	> 3
	Centrum to neural arch (C2)	< 6	4-6	> 4
	Neural arch to anterior bar (C1)	< 5	4-5	> 4
Sacrum	lateral element to neural arch	< 5	2-5	> 2
	Wing to centra	< 6	2-6	> 2
Humerus	Greater and lesser tubercles to head	< 6	2-6	> 2
Skeletal age		0-4 jaar		

Juvenile longe bone measurements (Schaefer et al. 2009)

Bone	Measurement	L	R	Age
Clavicle	Length (mm)			
Scapula	Length (cm)			
	Width (cm)			
Humerus	Length (mm)		80,5	3 maanden
Radius	Length (mm)			
Ulna	Length (mm)			
Femur	Length (mm)			
Tibia	Length (mm)	90,6		3-6 maanden
Fibula	Length (mm)			

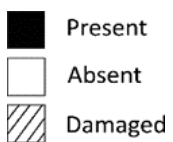
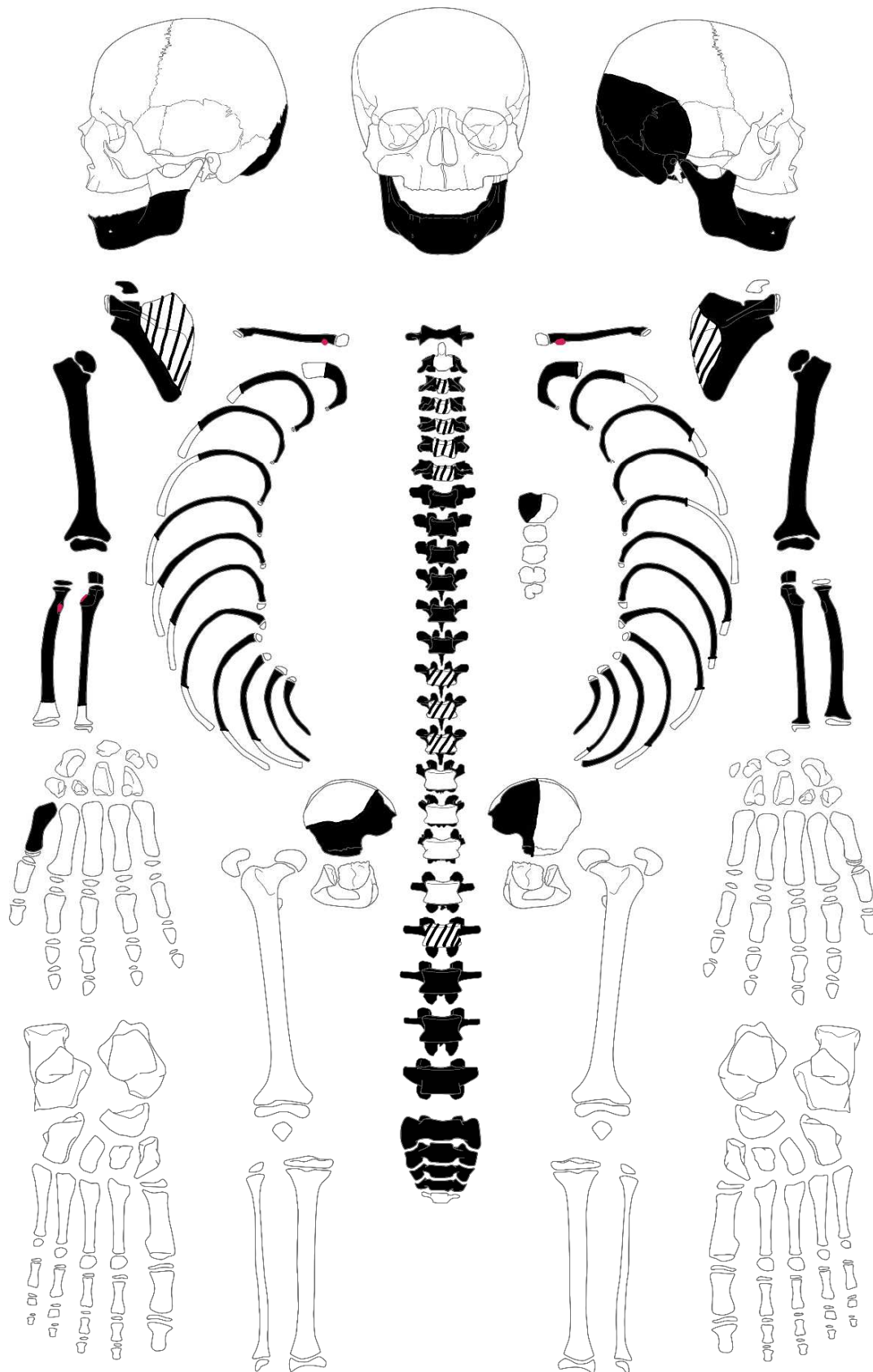
Algemeen	Werkput	5
	Vlak	2
	Spoor	/
	Type graf	Kist
	Objecten	Kistnagels



Overzichtsfoto individu in situ

Bio ID	Geslacht	M?
	Leeftijd	12-16
	Lengte	/

SKELETAL STATUS

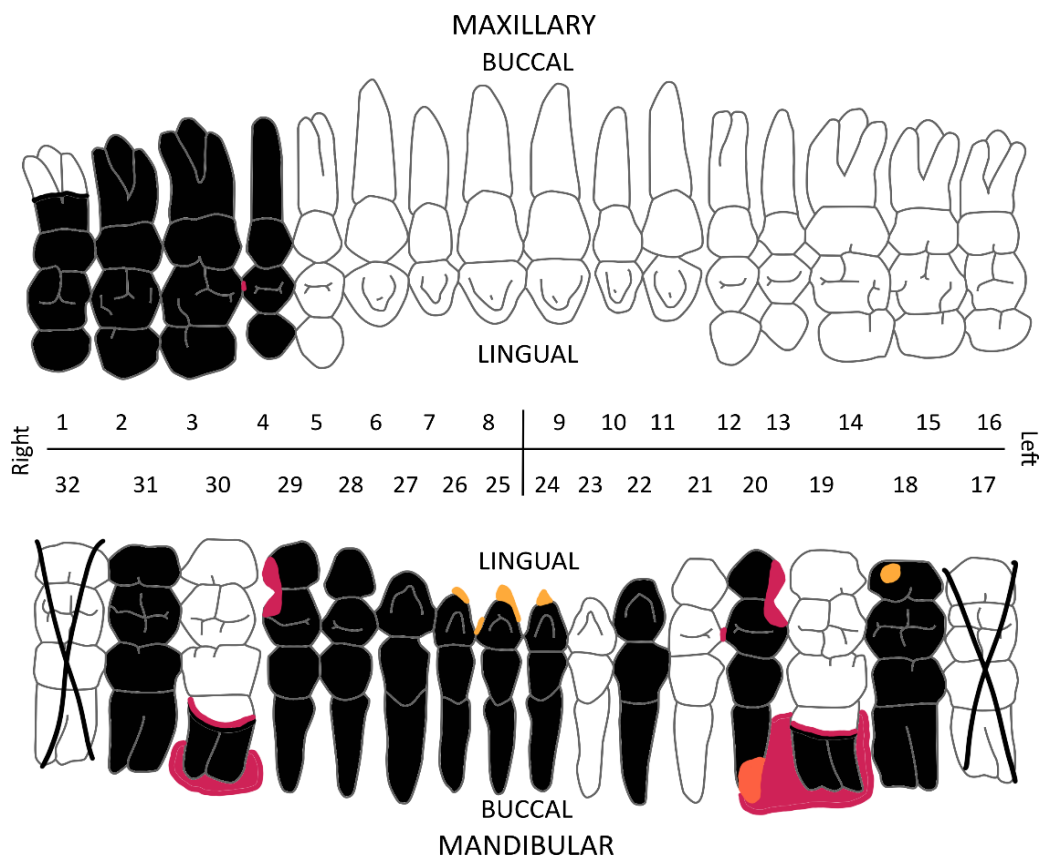


DENTAL STATUS

MAXILLA							
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.
8	I1	M			M	I1	9
7	I2	M			M	I2	10
6	C	M			M	C	11
5	Pm1	M			M	Pm1	12
4	Pm2	P	interprox. Ca (enamel)		M	Pm2	13
3	M1	P	interprox. Ca (enamel)		M	M1	14
2	M2	P			M	M2	15
1	M3	E			M	M3	16
25	I1	P	Cc+		P	I1	24
26	I2	P	Cc+		PM	I2	23
27	C	P			P	C	22
28	Pm1	P			PM	Pm1	21
29	Pm2	P	interprox. Ca (dentin)	interprox. Ca (dentin), Hc, periap. Ab	P	Pm2	20
30	M1	P	occlusal Ca (wortel), periap. Ab	occlusal Ca (wortel), periap. Ab	P	M1	19
31	M2	P		Cc+	P	M2	18
32	M3	C			C	M3	17
MANDIBLE							

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
	Max length (M>151; M?>149; F?<144; V<140)				
Humerus	Vertical head diameter (M>47; F<44.9)			47,5	M
	Epicondylar breadth (M>60.1; F<60.1)				
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\Sigma Wx}{\Sigma W}$	$\frac{0}{33} =$	/
WEA mandible	$\frac{\Sigma Wx}{\Sigma W}$	$\frac{10}{8} =$	1,25
WEA os coxae	$\frac{\Sigma Wx}{\Sigma W}$	$\frac{0}{38} =$	/

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella			3	0
Nuchal plane/crest			3	0
Parietal & frontal bossing			2	0
External occipital protuberance			2	0
Frontal inclination			1	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	M?	1	3	3
Mental eminence	M	2	2	4

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	/		0	0
Inferior margin	M	2	1	2

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	F?	-1	1	-1
Inferior margin	M	2	1	2

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

AGE ESTIMATION

Dental eruption and mineralization 1978; WEA 1980)	(Ubelaker	Dental age
		12-18 jaar

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Spheno occipital synchondrosis	< 18	11-18	> 11
Scapula	Acromiom	< 20	15-20	> 15
	Coraco-Glenoid	< 16	14-18	> 16
	Medial border	< 23	19-23	> 19
	Inferior angle	< 21	17-22	> 17
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Humerus	Proximal	< 20	14-21	> 16
	Medial	< 18	13-18	> 13
	Distal	< 15	11-18	> 12
Ulna	Proximal	< 16	12-18	> 12
	Distal	< 20	15-20	> 15
Radius	Proximal	< 18	12-18	> 13
	Distal	< 19	14-20	> 15
Hand	MC's and phalanges	< 17	11-18	> 12
Sacrum	Auricular surface	< 21	15-21	> 17
	S1-S2 bodies	< 27	14-30	> 21
	S1-S2 alae	< 20	11-27	> 19
	S2-S5 bodies	< 20	12-28	> 19
	S2-S5 alae	< 16	10-21	> 13
Pelvis	Iliac crest	< 20	14-22	> 18
	Ant inf iliac spine	< 18	14-18	> 15
	Ischial tuberosity	< 18	14-20	> 16
Femur	Head	< 18	14-19	> 14
	Greater trochanter	< 18	14-19	> 14
	Lesser trochanter	< 18	16-19	> 14
	Distal	< 19	14-20	> 17
Tibia	Proximal	< 18	14-20	> 17
	Distal	< 18	14-18	> 15
Fibula	Proximal	< 19	14-20	> 15
	Distal	< 18	14-18	> 15
Foot	Calcaneus	< 20	10-20	> 10
	MT's and phalanges	< 17	11-16	> 11
Vertebrae	Annular Rings	< 21	14-23	> 18
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	Skeletal age		12-16	

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$					4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$					3,27
Tibia	$78,62 + 2,52 \times \text{tib}$					3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$					4,45
Radius	$54,93 + 4,74 \times \text{rad}$					4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$					4,3
Femur	$54,10 + 2,47 \times \text{fem}$					3,72
Tibia	$61,53 + 2,90 \times \text{tib}$					3,66
Fibula	$59,61 + 2,93 \times \text{fib}$					3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$					3,55

BAAC SKELETFORMULIER

ARCHEOLOGIE EN
BOUWHISTORIE

Site: Aalbeke

Waarnemer: Nandy Dolman

IND: 5

Datum: 28-03-'23

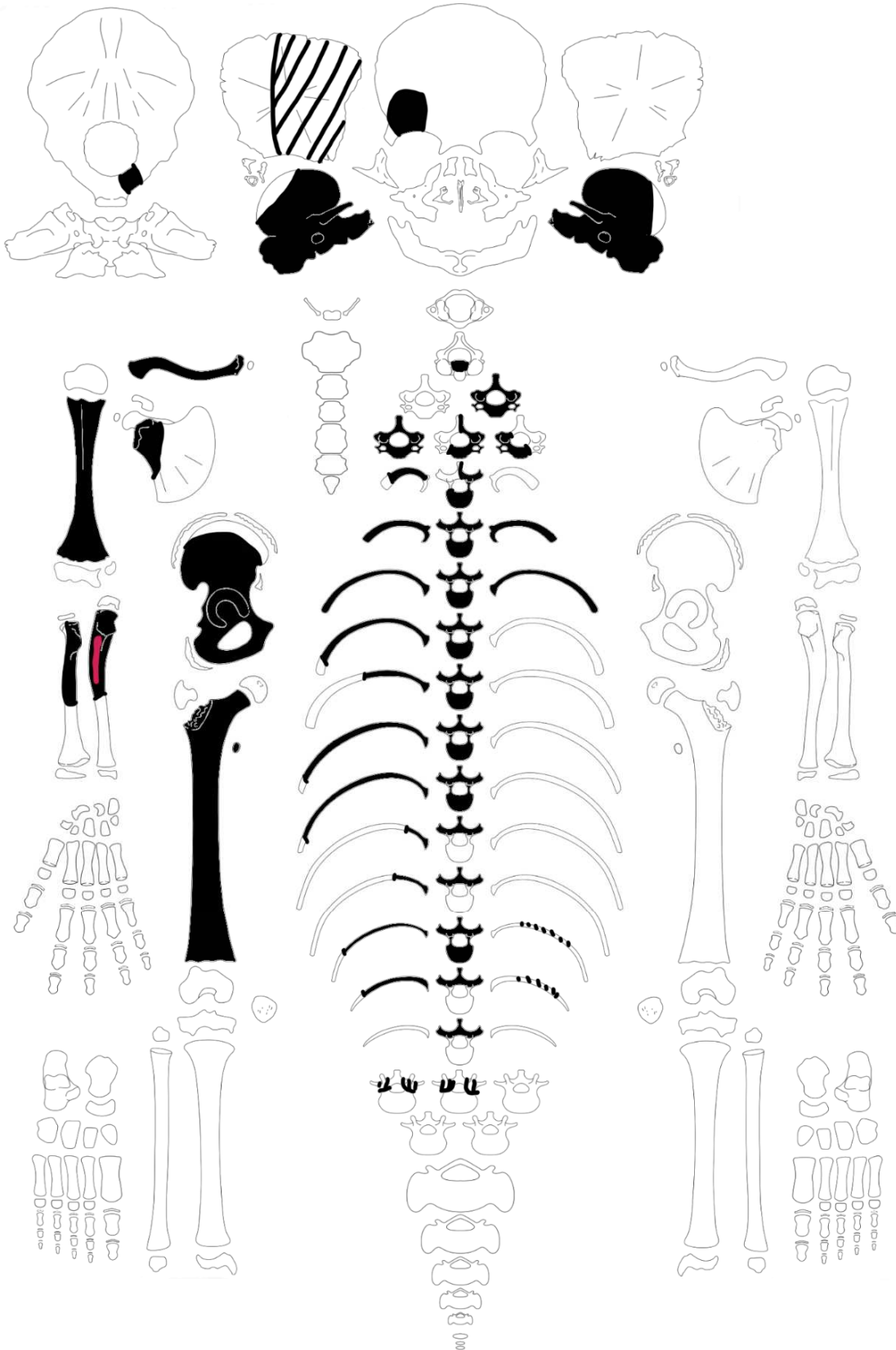
Algemeen	Werkput	5
	Spoor	/
	Vlak	2
	Type graf	?
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Leeftijd	1-2
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SKELETAL STATUS



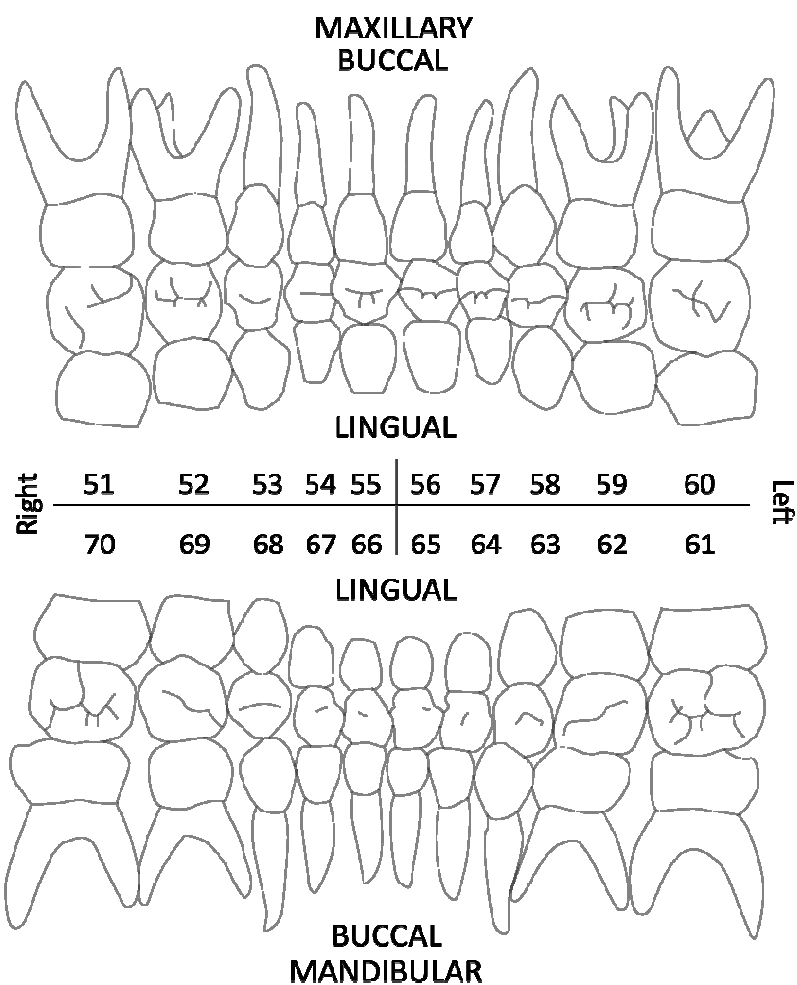
DENTAL STATUS

DECIDIOUS DENTITION

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
55	di1	M			M	di1	56	
54	di2	M			M	di2	57	
53	dc	M			M	dc	58	
52	dm1	M			M	dm1	59	
51	dm2	M			M	dm2	60	
66	di1	M			M	di1	65	
67	di2	M			M	di2	64	
68	dc	M			M	dc	63	
69	dm1	M			M	dm1	62	
70	dm2	M			M	dm2	61	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



AGE ESTIMATION

Dental eruption and mineralization 1978; WEA 1980)	(Ubelaker	Dental age
		/

Skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Posterior fontanelle	< 3	0-3	> 0
	Anterior fontanelle	< 2	0-2	> 0
Sphenoid	Lesser wings to sphenoid body	< 1 mths		> 5 f mths
	Pre Sphenoid to post sphenoid	< 2 mths		> 8 f mths
	Greater wings to sphenoid body	< 12 mths		> 1 mth
	Foramen ovale (Greater Wing)	< 6 mths		> 1 mth
Temporal	Tympanic ring to temporal squamous	< 1 mths		> 9 f mths
	Petromastoid to squamotympanic	< 12 mths		> 9 f mths
Occipital	Supra-occipital to interparietal squama	< 5 f mths		> 5 f mths
	Superior median fissure	< 11 mths		> 5 mths
	Sutura mendosa	< 1,5	5 mths-1,5	> 5 mths
	Partes laterales to squama	< 4	1-4	> 1
	Hypoglossal canal (pars laterales)	< 4	1,5-4	> 1,5
Frontal	Fusion of 2 halves of frontal bone	< 2	9 mths-2	> 9 mths
	Obliteration of metopic suture (generally)	< 4	2-4	> 2
Mandible	Mental symphysis	< 1	0-1	> 0
Vertebrae	Intradental union (C2)	< full term		> full term
	Neural arches of C3-C5	< 2	6 mths-2	> 6 mths
	Neural arches of thoracic-lumbar vertebrae	< 2	1-2	> 2
	Neural arches of C2	< 4	3-4	> 3
	Neural arches of C1	< 5	4-5	> 4
	Neural arches to centrum (C3-L5)	< 5	2-5	> 2
	Dens to neural arch	< 4	3-4	> 3
	Centrum to neural arch (C2)	< 6	4-6	> 4
	Neural arch to anterior bar (C1)	< 5	4-5	> 4
Sacrum	lateral element to neural arch	< 5	2-5	> 2
	Wing to centra	< 6	2-6	> 2
Humerus	Greater and lesser tubercles to head	< 6	2-6	> 2
Skeletal age		1-2		

Juvenile longe bone measurements (Schaefer et al. 2009)

Bone	Measurement	L	R	Age
Clavicle	Length (mm)			
Scapula	Length (cm)			
	Width (cm)			
Humerus	Length (mm)		98,5	6 maanden - 1
Radius	Length (mm)			
Ulna	Length (mm)			
Femur	Length (mm)		124,4	6 maanden - 1
Tibia	Length (mm)			
Fibula	Length (mm)			

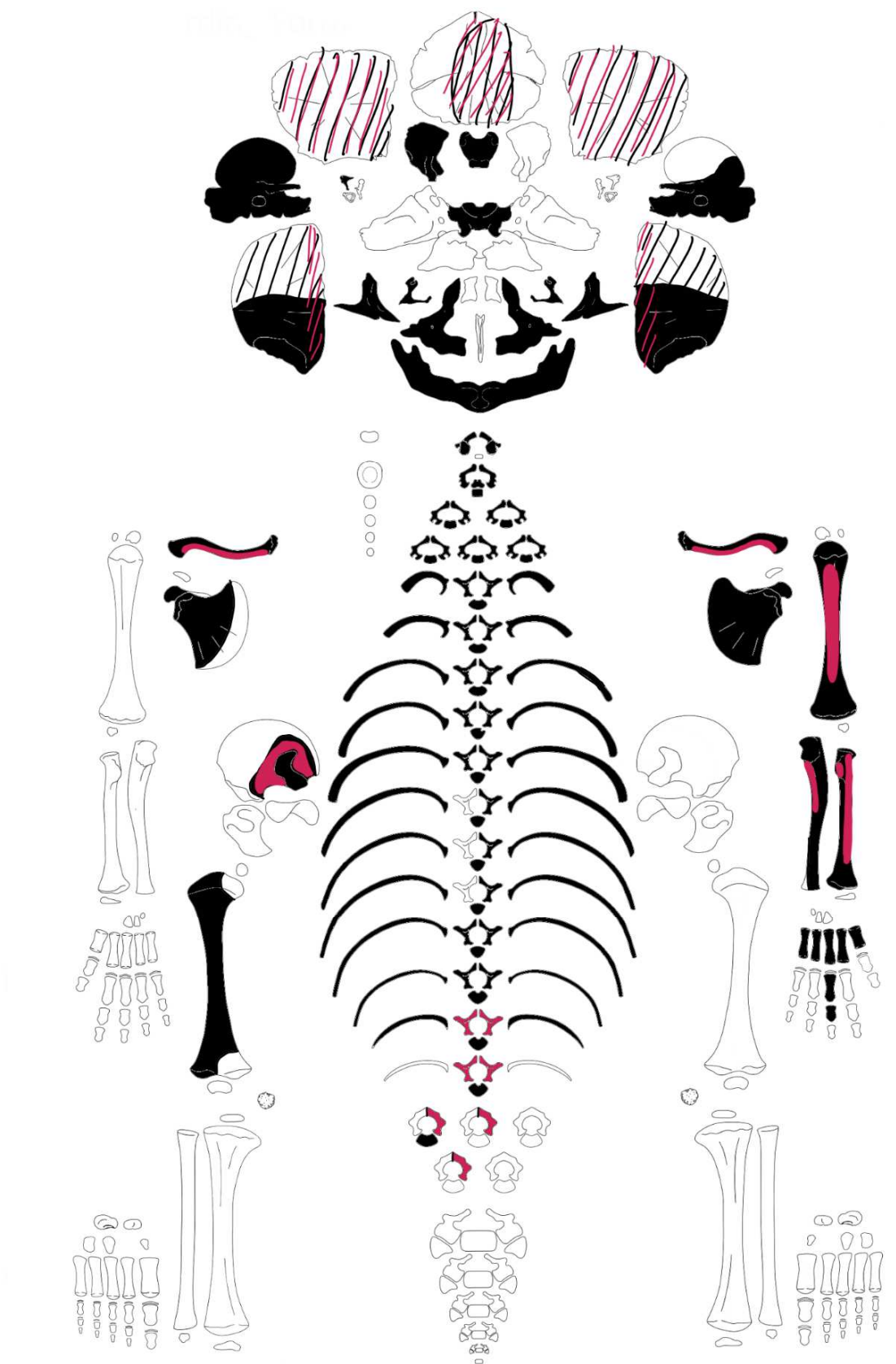
Algemeen	Werkput	5
	Spoor	/
	Vlak	2
	Type graf	Kist?
	Objecten	Kistnagels



Overzichtsfoto individu in situ

Bio ID	Leeftijd	40 weken in utero-1 maand
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SKELETAL STATUS



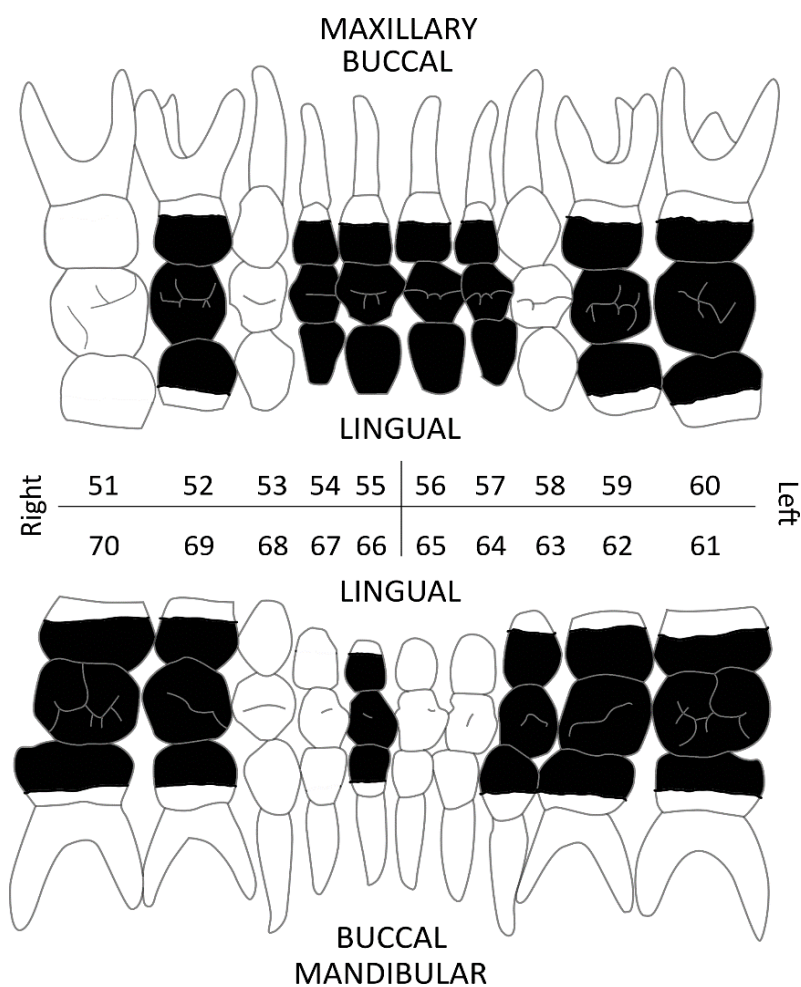
DENTAL STATUS

DECIDIOUS DENTITION

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
55	di1	E			E	di1	56	
54	di2	E			E	di2	57	
53	dc	PM			PM	dc	58	
52	dm1	E			E	dm1	59	
51	dm2	M			E	dm2	60	
66	di1	E			PM	di1	65	
67	di2	M			PM	di2	64	
68	dc	C?	Geen tandkas		E	dc	63	
69	dm1	E			E	dm1	62	
70	dm2	E			E	dm2	61	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



AGE ESTIMATION

Dental eruption and mineralization 1978; WEA 1980)	(Ubelaker	Dental age
		rond geboorte

Skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Posterior fontanelle	< 3	0-3	> 0
	Anterior fontanelle	< 2	0-2	> 0
Sphenoid	Lesser wings to sphenoid body	< 1 mth	5 f mths-1 mth	> 5 f mths
	Pre Sphenoid to post sphenoid	< 2 mths		> 8 f mths
	Greater wings to sphenoid body	< 12 mths		> 1 mth
	Foramen ovale (Greater Wing)	< 6 mths		> 1 mth
Temporal	Tympanic ring to temporal squamous	< 1 mths		> 9 f mths
	Petromastoid to squamotympanic	< 12 mths		> 9 f mths
Occipital	Supra-occipital to interparietal squama	< 5 f mths		> 5 f mths
	Superior median fissure	< 11 mths		> 5 mths
	Sutura mendosa	< 1,5	5 mths-1,5	> 5 mths
	Partes laterales to squama	< 4	1-4	> 1
	Hypoglossal canal (pars laterales)	< 4	1,5-4	> 1,5
Frontal	Fusion of 2 halves of frontal bone	< 2	9 mths-2	> 9 mths
	Obliteration of metopic suture (generally)	< 4	2-4	> 2
Mandible	Mental symphysis	< 1	0-1	> 0
Vertebrae	Intradental union (C2)	< full term		> full term
	Neural arches of C3-C5	< 2	6 mths-2	> 6 mths
	Neural arches of thoracic-lumbar vertebrae	< 3	1-2	> 2
	Neural arches of C2	< 4	3-4	> 3
	Neural arches of C1	< 5	4-5	> 4
	Neural arches to centrum (C3-L5)	< 5	2-5	> 2
	Dens to neural arch	< 4	3-4	> 3
	Centrum to neural arch (C2)	< 6	4-6	> 4
	Neural arch to anterior bar (C1)	< 5	4-5	> 4
Sacrum	lateral element to neural arch	< 5	2-5	> 2
	Wing to centra	< 6	2-6	> 2
Humerus	Greater and lesser tubercles to head	< 6	2-6	> 2
Skeletal age		5 fetal maanden - 1 maand		

Juvenile longe bone measurements (Schaefer et al. 2009)

Bone	Measurement	L	R	Age
Clavicle	Length (mm)			
Scapula	Length (cm)			
	Width (cm)			
Humerus	Length (mm)	71,2		1,5 maand
Radius	Length (mm)	49,8		40 weken
Ulna	Length (mm)	61,7		40 weken
Femur	Length (mm)			
Tibia	Length (mm)			
Fibula	Length (mm)			

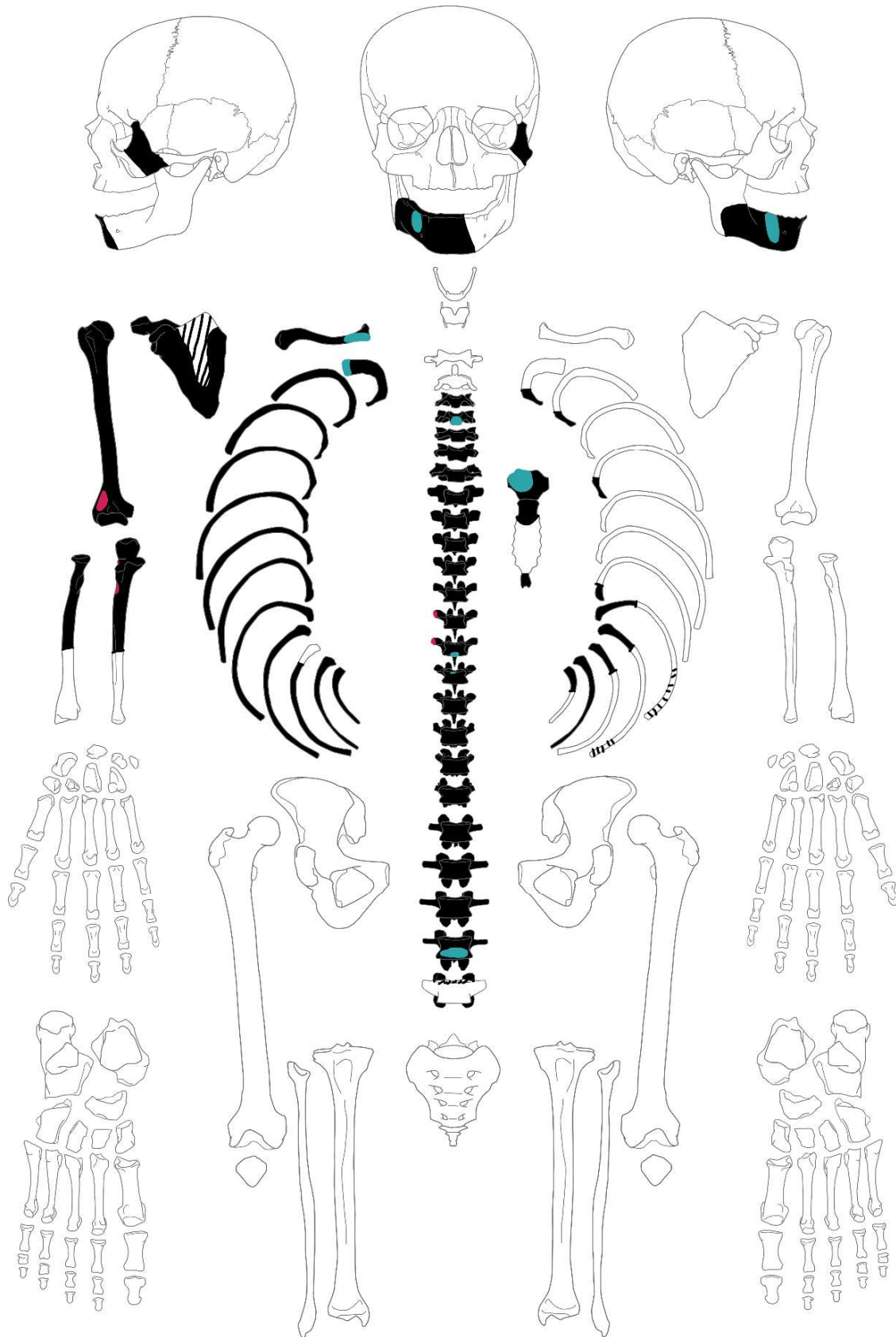
Algemeen	Werkput	5
	Vlak	2
	Spoor	/
	Type graf	Kist?
	Objecten	Kopspeldjes (niet bewaard, enkel verkleuringen)



Overzichtsfoto individu in situ

Bio ID	Geslacht	I
	Leeftijd	21-30
	Lengte	163,39 cm (gemiddelde M+F)

SKELETAL STATUS

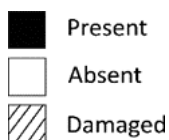
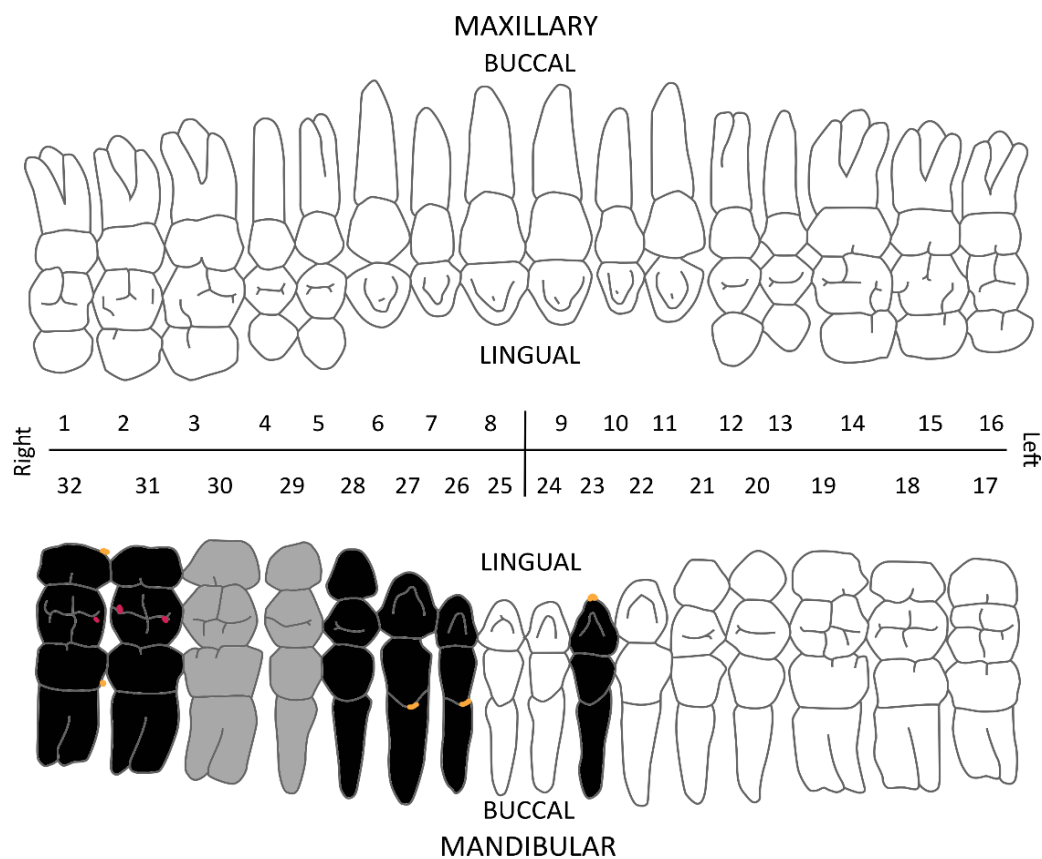


DENTAL STATUS

MAXILLA							
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.
8	I1	M			M	I1	9
7	I2	M			M	I2	10
6	C	M			M	C	11
5	Pm1	M			M	Pm1	12
4	Pm2	M			M	Pm2	13
3	M1	M			M	M1	14
2	M2	M			M	M2	15
1	M3	M			M	M3	16
25	I1	PM			PM	I1	24
26	I2	P	Cc+	Cc+	P	I2	23
27	C	P	Cc+		M	C	22
28	Pm1	P	interprox. Ca (enamel)		M	Pm1	21
29	Pm2	AM	B		M	Pm2	20
30	M1	AM	B		M	M1	19
31	M2	P	2 occlusal pits		M	M2	18
32	M3	P	1 occlusal pit, Cc+		M	M3	17
MANDIBLE							

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)			130	F
Scapula	Max glenoid width (M>29; F<26)			23,4	F
	Max glenoid length (M>36; F<34)			35,5	I
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)			39,6	F
	Epicondylar breadth (M>60.1; F<60.1)			57,7	F
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{0}{33} =$	<div>/</div>
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{3}{4} =$	<div>0,75</div>
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{0}{38} =$	<div>/</div>

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella			3	0
Nuchal plane/crest			3	0
Parietal & frontal bossing			2	0
External occipital protuberance			2	0
Frontal inclination			1	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	/		0	0
Mental eminence	I	0	2	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	/		0	0
Inferior margin	/		0	0

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M?	1	1	1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	
	2	Lambda	
	3	Obelion	
	4	Ant. Sagittal	
	5	Bregma	
	6	Midcoronal	
	7	Pterion	
	Composite score		
	Age range		
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		21-30		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$			30,8	165,31	4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$					3,27
Tibia	$78,62 + 2,52 \times \text{tib}$					3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$			30,8	161,46	4,45
Radius	$54,93 + 4,74 \times \text{rad}$					4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$					4,3
Femur	$54,10 + 2,47 \times \text{fem}$					3,72
Tibia	$61,53 + 2,90 \times \text{tib}$					3,66
Fibula	$59,61 + 2,93 \times \text{fib}$					3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$					3,55

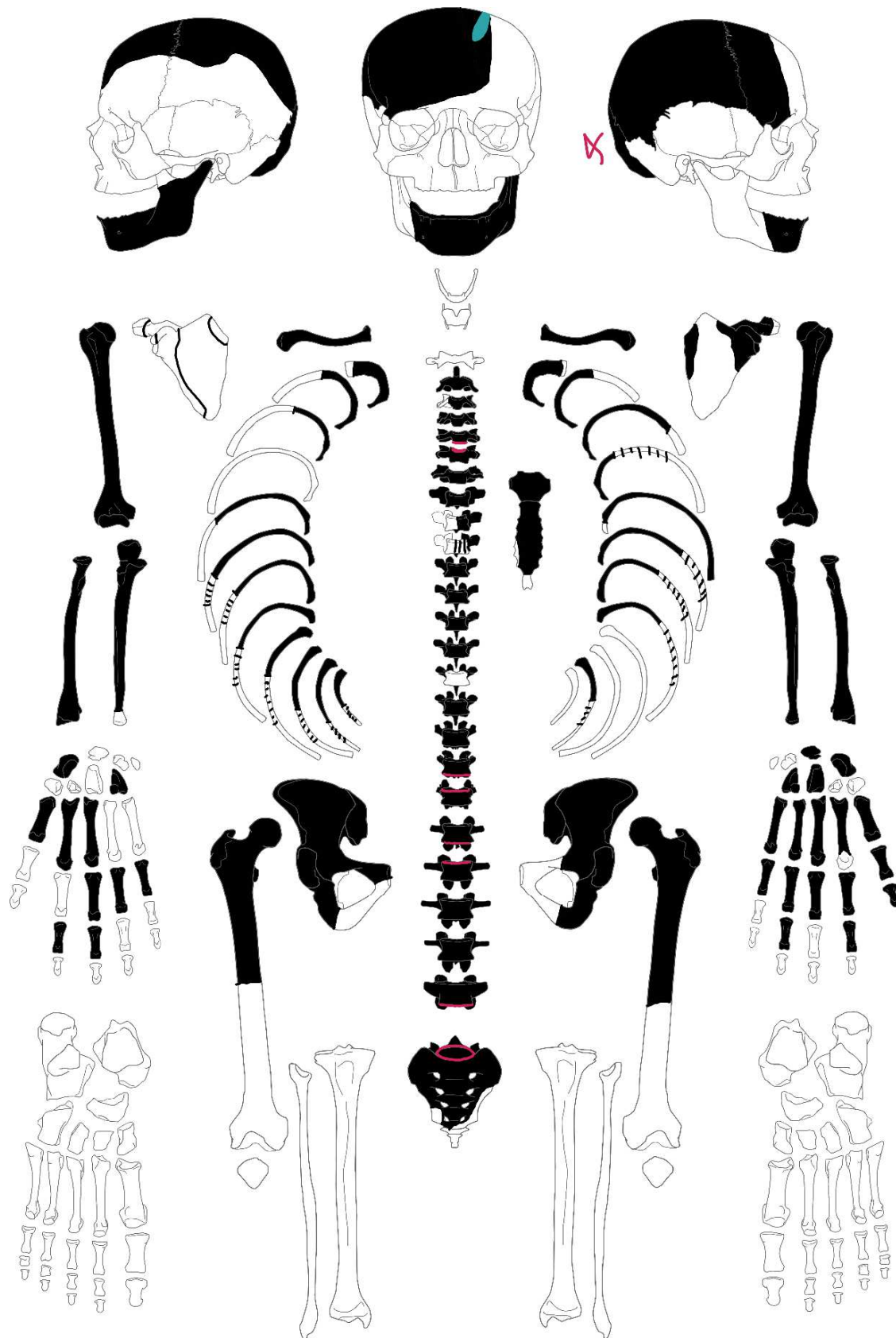
Algemeen	Werkput	5
	Vlak	3
	Spoor	/
	Type graf	Kist?
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	F
	Leeftijd	35-44
	Lengte	159,11 cm

SKELETAL STATUS

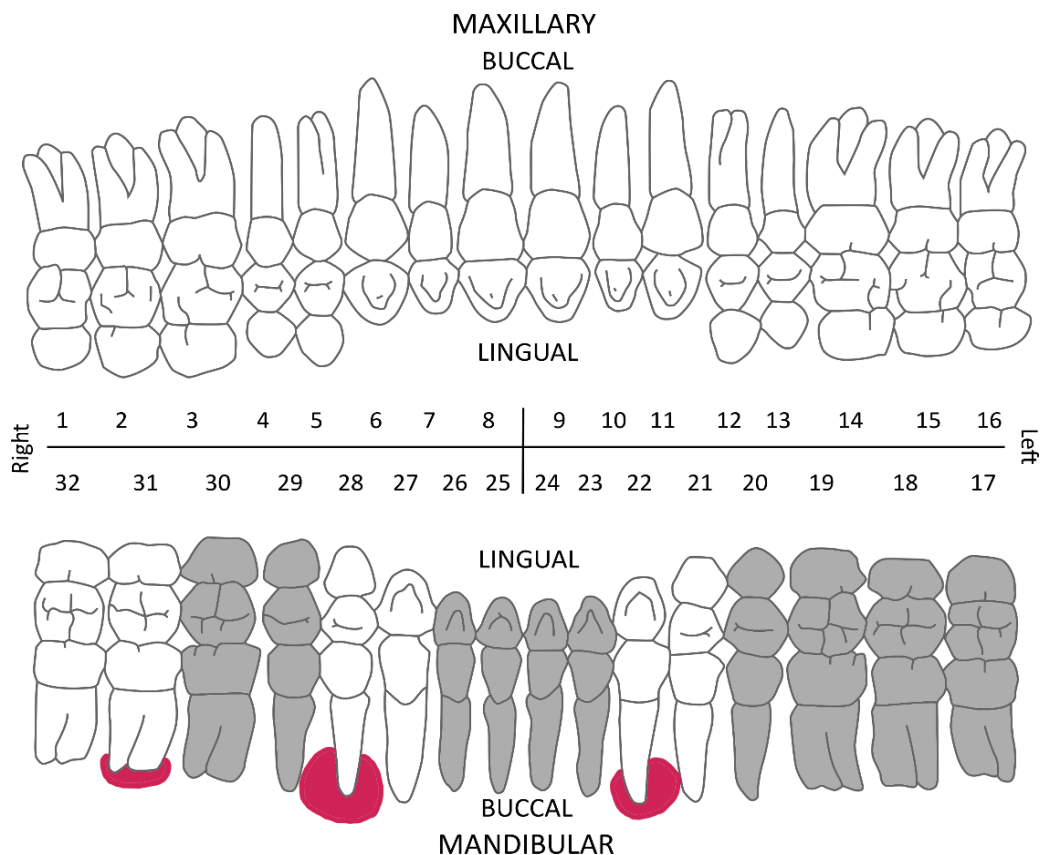


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	M			M	I1	9	
7	I2	M			M	I2	10	
6	C	M			M	C	11	
5	Pm1	M			M	Pm1	12	
4	Pm2	M			M	Pm2	13	
3	M1	M			M	M1	14	
2	M2	M			M	M2	15	
1	M3	M			M	M3	16	
25	I1	AM	B	B	AM	I1	24	
26	I2	AM	B	B	AM	I2	23	
27	C	PM		periapical Ab	PM	C	22	
28	Pm1	PM	periapical Ab		PM	Pm1	21	
29	Pm2	AM	B	B	AM	Pm2	20	
30	M1	AM	B	B	AM	M1	19	
31	M2	PM	periapical Ab	B	AM	M2	18	
32	M3	M		B	AM	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)			132	F
Scapula	Max glenoid width (M>29; F<26)			25,8	F
	Max glenoid length (M>36; F<34)	35,7	I	35,9	I
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)	43,7	F	41,8	F
	Epicondylar breadth (M>60.1; F<60.1)	53,3	F	53,5	F
Femur	Max head diameter (M>48; F<43)	46,4	I	47,1	I
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{-14}{7} =$	-2
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{-10}{8} =$	-1,25
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{-56}{34} =$	-1,65

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	/		0	0
Nuchal plane/crest	F	-2	3	-6
Parietal & frontal bossing	/		0	0
External occipital protuberance	F	-2	2	-4
Frontal inclination	/		0	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	/		0	0
Zygomatic process	/		0	0
Supraorbital ridge	/		0	0
Zygomatic bone	/		0	0
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	/		0	0
Zygomatic process	/		0	0
Supraorbital ridge	F	-2	2	-4
Zygomatic bone	/		0	0
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	F	-2	3	-6
Mental eminence	F	-2	2	-4

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	F	-2	1	-2
Inferior margin	M?	1	1	1

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	/		0	0
Inferior margin	M?	1	1	1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	F	-2	3	-6
Greater sciatic notch	F?	-1	3	-3
Pubic arc/angle	F?	-1	2	-2
Arc composé	F	-2	2	-4
Innominate bone	F?	-1	2	-2
Obturator foramen	F	-2	2	-4
Ischial body	F	-2	2	-4
Iliac crest	F	-2	1	-2
Iliac fossa	F	-2	1	-2
Pelvic inlet (midline)	F	-2	1	-2

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	F	-2	3	-6
Greater sciatic notch	F?	-1	3	-3
Pubic arc/angle	/		0	0
Arc composé	F	-2	2	-4
Innominate bone	F?	-1	2	-2
Obturator foramen	/		0	0
Ischial body	F	-2	2	-4
Iliac crest	F	-2	1	-2
Iliac fossa	F	-2	1	-2
Pelvic inlet (midline)	F	-2	1	-2

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	35-39
	Right	40-44

Auricular surface (B & C 2002)	Left	Traits	Right
	4	Transverse org.	4
	3	Surface texture	4
	2	Microporosity	2
	1	Macroporosity	1
	1	Apical changes	1
	11	Composite score	12
	52 (29-81)	Age range	52 (29-81)

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	1
	2	Lambda	0
	3	Obelion	0
	4	Ant. Sagittal	1
	5	Bregma	0
	6	Midcoronal	2
	7	Pterion	0
	Composite score		4
	Age range		26,9-42,5
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)					
Bone	Site	Open	Partial	Closed	
Skull	Jugular synchondroses	< 34	22-34	> 22	
Scapula	Acromion	< 20	15-20	> 15	
	Medial border	< 23	19-23	> 19	
Clavicle	Medial	< 23	17-30	> 21	
Ribs	Heads	< 21	17-22	> 19	
Sacrum	S1-S2 bodies	< 27	14-30	> 21	
Pelvis	Iliac crest	< 20	14-22	> 18	
Manubrium	1st costal notch	< 23	18-25	> 21	
Sternum	B1-B2	< 25	15-25	> 15	
	B2-B3	< 20	15-20	> 11	
	B3-B4	< 15	11-20	> 4	
	B4-Xiphoid	< 40	-	> 35	
	Skeletal age		>21		

STATURE

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$	30,1	159,11			4,45
Radius	$54,93 + 4,74 \times \text{rad}$	23,4	165,85			4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$					4,3
Femur	$54,10 + 2,47 \times \text{fem}$					3,72
Tibia	$61,53 + 2,90 \times \text{tib}$					3,66
Fibula	$59,61 + 2,93 \times \text{fib}$					3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$					3,55

BAAC SKELETFORMULIER

ARCHEOLOGIE EN
BOUWHISTORIE

■ Site: Aalbeke

■ Waarnemer: Nandy Dolman

IND: 9

Datum: 03-04-'23

Algemeen	Werkput	5
	Vlak	3
	Spoor	5080
	Type graf	Kist
	Objecten	aardewerk en kistnagels

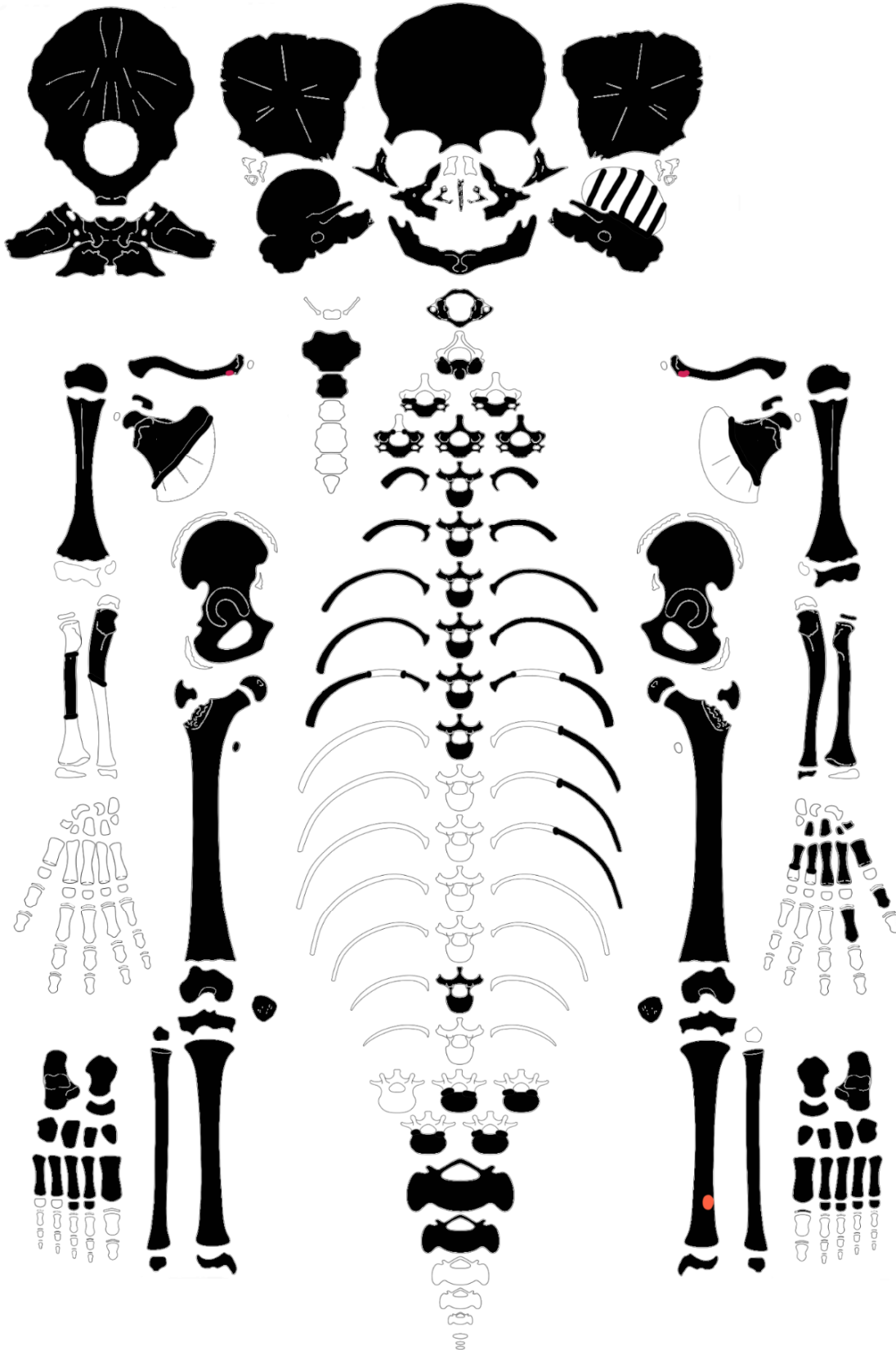


Overzichtsfoto individu in situ

Bio ID	Leeftijd	7-8 jaar
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SKELETAL STATUS

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- ☒ Present
- ☐ Absent
- ☒ Damaged

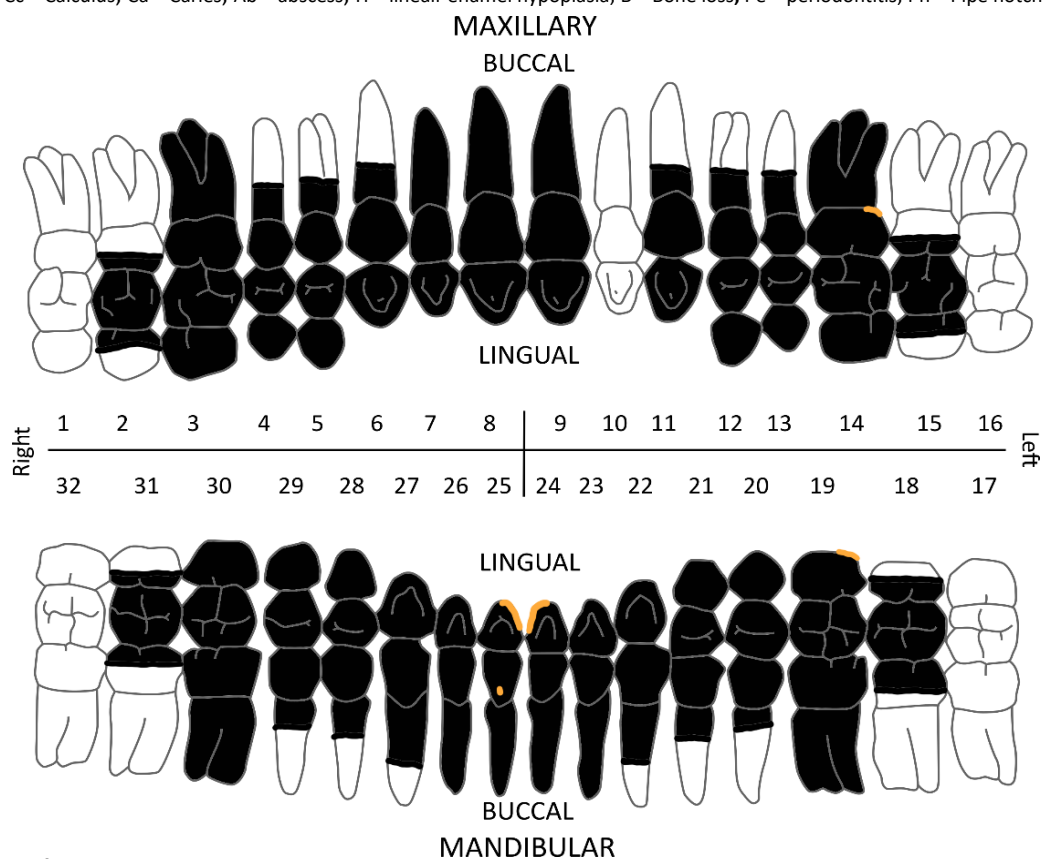
DENTAL STATUS

PERMANENT DENTITION

MAXILLA							
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.
8	I1	P			P	I1	9
7	I2	P			PM	I2	10
6	C	U			U	C	11
5	Pm1	U			U	Pm1	12
4	Pm2	U			U	Pm2	13
3	M1	P		Cc+	P	M1	14
2	M2	U			U	M2	15
1	M3	C			C	M3	16
25	I1	P	Cc+	Cc+	P	I1	24
26	I2	P			P	I2	23
27	C	U			U	C	22
28	Pm1	U			U	Pm1	21
29	Pm2	U			U	Pm2	20
30	M1	P		Cc+	P	M1	19
31	M2	U			U	M2	18
32	M3	C			C	M3	17
MANDIBLE							

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = linear enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch

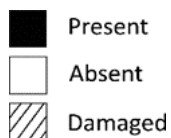
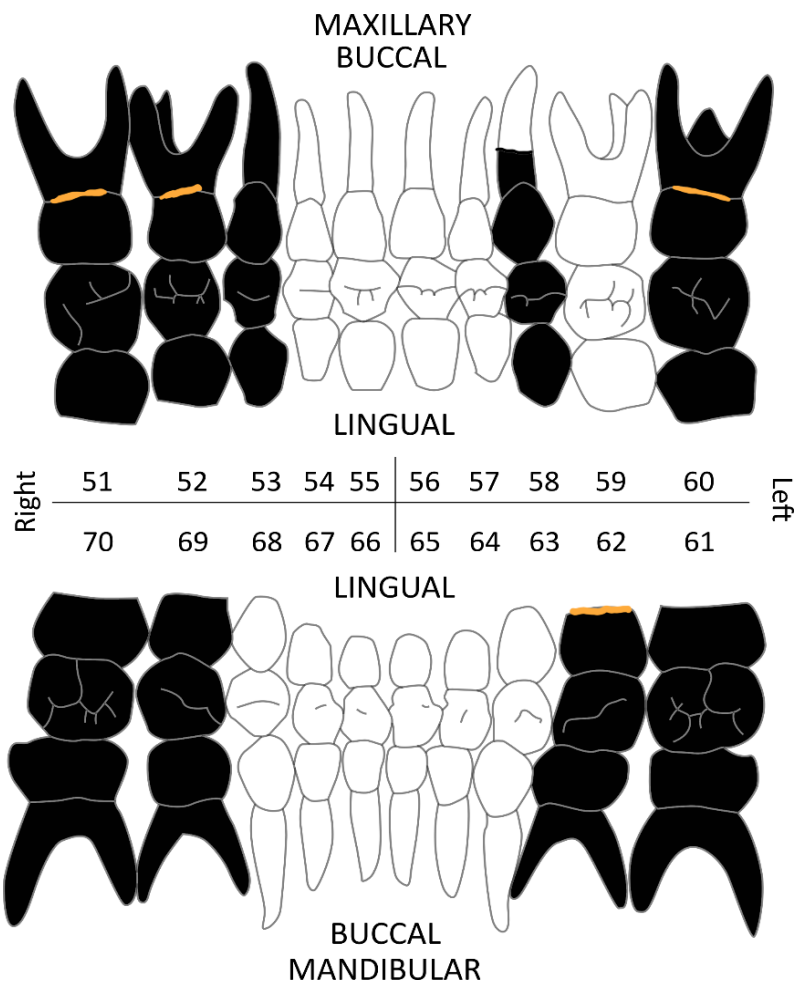


DECIDUOUS DENTITION

MAXILLA							
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.
55	di1	AM			AM	di1	56
54	di2	AM			AM	di2	57
53	dc	P			P	dc	58
52	dm1	P	Cc+		PM	dm1	59
51	dm2	P	Cc+	Cc+	P	dm2	60
66	di1	AM			AM	di1	65
67	di2	AM			AM	di2	64
68	dc	AM			AM	dc	63
69	dm1	P		Cc+	P	dm1	62
70	dm2	P			P	dm2	61
MANDIBLE							

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



AGE ESTIMATION

Dental eruption and mineralization 1978; WEA 1980)	(Ubelaker	Dental age
		6-10 jaar

Skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Frontal	Mesotopic suture	< 4	0-4	> 0
Occipital	Pars laterales to pars basilaris	< 4	2-4	> 2
	Basilar part to occipital bone	< 7	5-7	> 5
Mandible	Mandibular symphysis	< 8	3 mth-8	> 3 mths
Vertebrae	Neural arches of C3-C5	< 2	6 mth-2	> 6 mths
	Neural arches of C2	< 4	3-5	> 3
	Neural arches of C1	< 5	4-5	> 4
	Neural arches to centrum (C3-L5)	< 5	2-5	> 2
	Dens to neural arch	< 4	3-4	> 3
	Centrum to neural arch (C2)	< 6	4-5	> 4
	Neural arch to anterior bar (C1)	< 5	4-5	> 4
Sacrum	lateral element to neural arch	< 5	2-5	> 2
	Wing to centra	< 6	2-6	> 2
Pelvis	Ischiopubic ramus	< 8	5-8	> 5
Humerus	Greater and lesser tubercles to head	< 6	2-6	> 2
Skeletal age		4-8		

Juvenile long bone measurements (Schaefer et al. 2009)				
Bone	Measurement	L	R	Age
Clavicle	Length (mm)	97	97	9-10 jaar
Scapula	Length (mm)			
	Width (cm)			
Humerus	Length (mm)		217	8 jaar
Radius	Length (mm)			
Ulna	Length (mm)			
Ilium	Length (mm)			
	Width (mm)			
Femur	Length (mm)	297	297	7-8 jaar
Tibia	Length (mm)	241	240	7-8 jaar
Fibula	Length (mm)	239	238	7-8 jaar

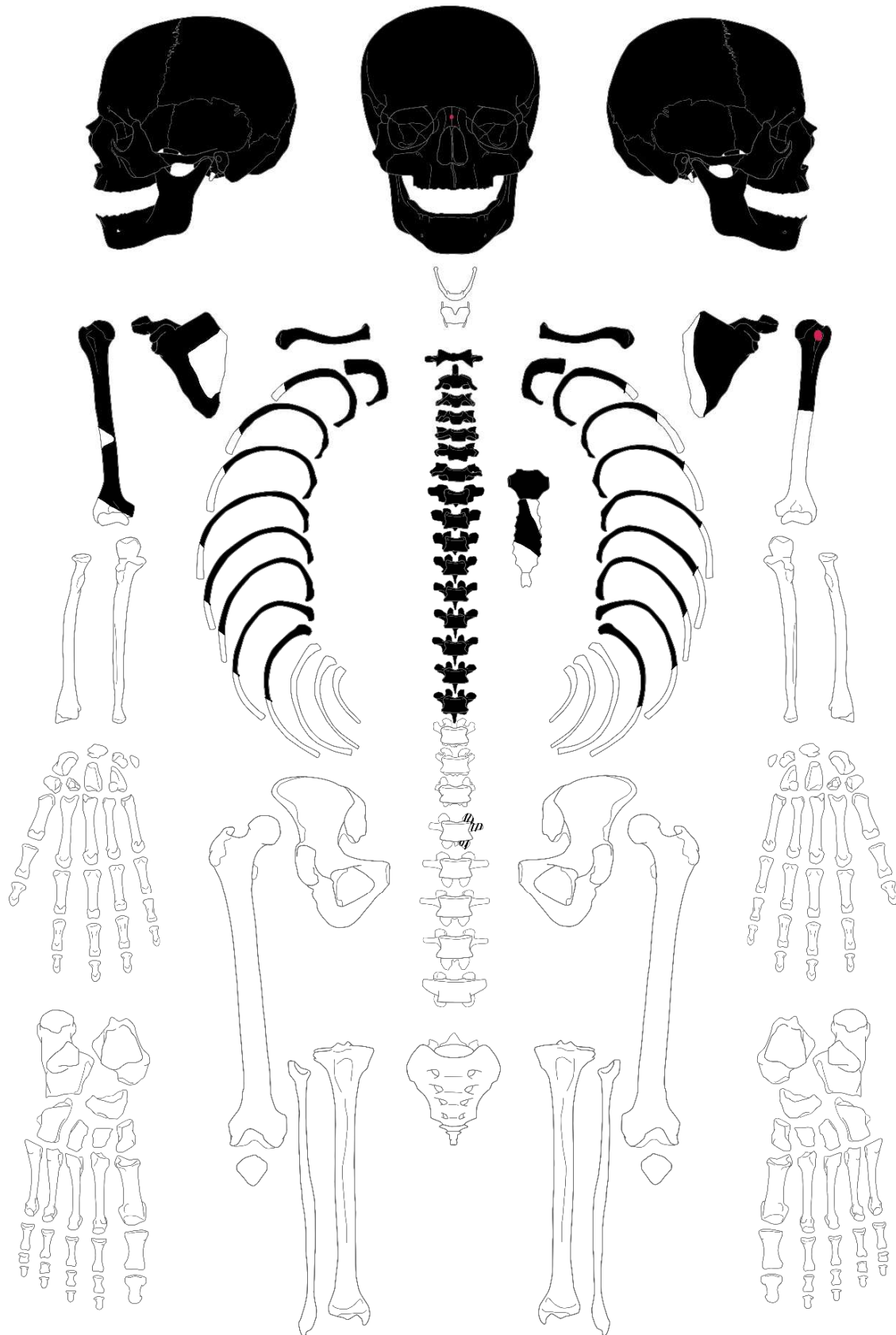
Algemeen	Werkput	5
	Vlak	4
	Spoor	5086
	Type graf	Kuil
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	M
	Leeftijd	21-34
	Lengte	/

SKELETAL STATUS

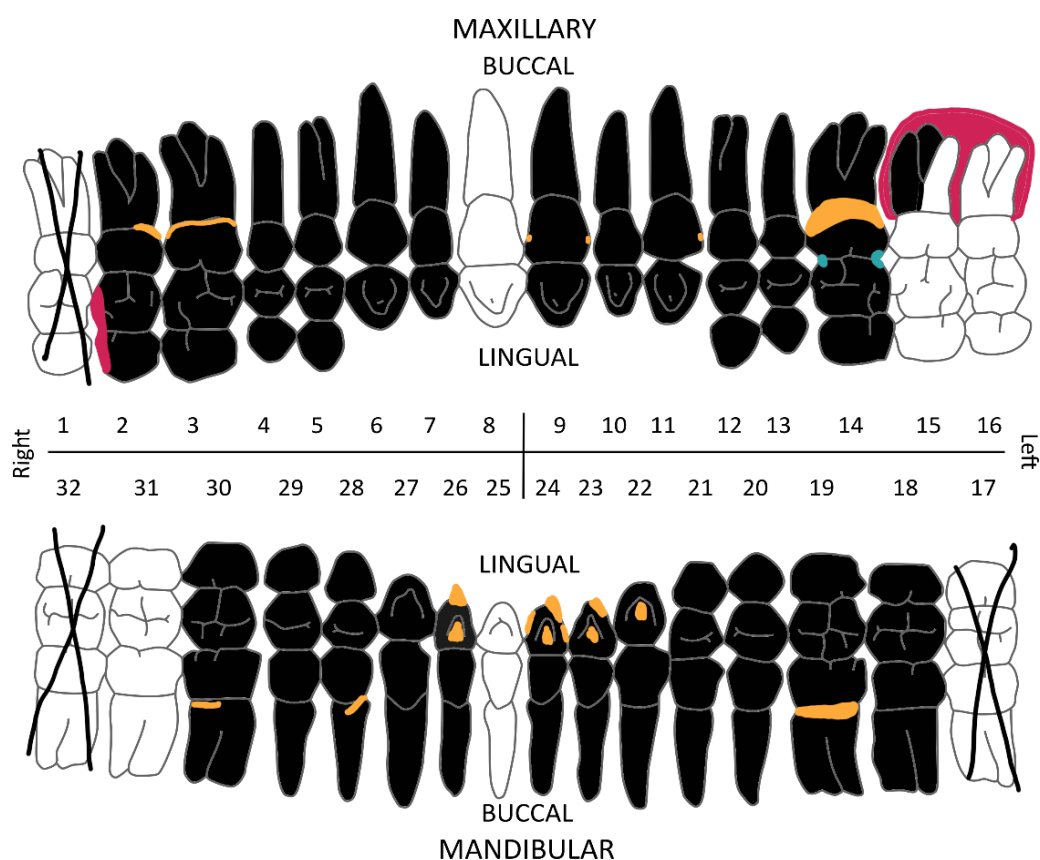


DENTAL STATUS

MAXILLA							
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.
8	I1	PM		Cc+	P	I1	9
7	I2	P			P	I2	10
6	C	P		Cc+	P	C	11
5	Pm1	P			P	Pm1	12
4	Pm2	P			P	Pm2	13
3	M1	P	Cc+	Pe++, periapical Ab, Cc++, Fr	P	M1	14
2	M2	P	Cc+, interprox. Ca	Pe++, periapical Ab	P	M2	15
1	M3	C			PM	M3	16
25	I1	PM		Cc+	P	I1	24
26	I2	P	Cc+	Cc+	P	I2	23
27	C	P		Cc+	P	C	22
28	Pm1	P	Cc+		P	Pm1	21
29	Pm2	P			P	Pm2	20
30	M1	P	Cc+	Pe++, Cc++	P	M1	19
31	M2	PM	Pe++	Pe++	P	M2	18
32	M3	C			C	M3	17

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch; Fr = fracture



 Present
 Absent
 Damaged

SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)	170	M	169	M
Scapula	Max glenoid width (M>29; F<26)	28,6	I	29,6	M
	Max glenoid length (M>36; F<34)	40	M		
Humerus	Max length (M>151; M?>149; F?<144; V<140)	>170	M		
	Vertical head diameter (M>47; F<44.9)	46,1	I	46,6	I
	Epicondylar breadth (M>60.1; F<60.1)				
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{33}{29} =$	1,14
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{18}{9} =$	2
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{0}{0} =$	/

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M?	1	3	3
Nuchal plane/crest	M?	1	3	3
Parietal & frontal bossing	I	0	2	0
External occipital protuberance	M?	1	2	2
Frontal inclination	F?	-1	1	-1

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M?	1	3	3
Zygomatic process	/		0	0
Supraorbital ridge	M?	1	2	2
Zygomatic bone	M	2	2	4
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	M?	1	3	3
Zygomatic process	M	2	3	6
Supraorbital ridge	M?	1	2	2
Zygomatic bone	M	2	2	4
Orbit shape & margin	M	2	1	2

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	M	2	3	6
Mental eminence	M	2	2	4

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M	2	1	2

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M	2	1	2

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	1
	2	Lambda	1
	3	Obelion	2
	4	Ant. Sagittal	2
	5	Bregma	1
	6	Midcoronal	1
	7	Pterion	0
	Composite score		8
	Age range		30,3-48,5
	Lateral-anterior sites		
	6	Midcoronal	1
	7	Pterion	0
	8	Sphenofrontal	0
	9	Inf. sphenotemp.	1
	10	Sup. sphenotemp.	1
	Composite score		3
	Age range		31,1-51,1

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		21-34		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$					4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$					3,27
Tibia	$78,62 + 2,52 \times \text{tib}$					3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

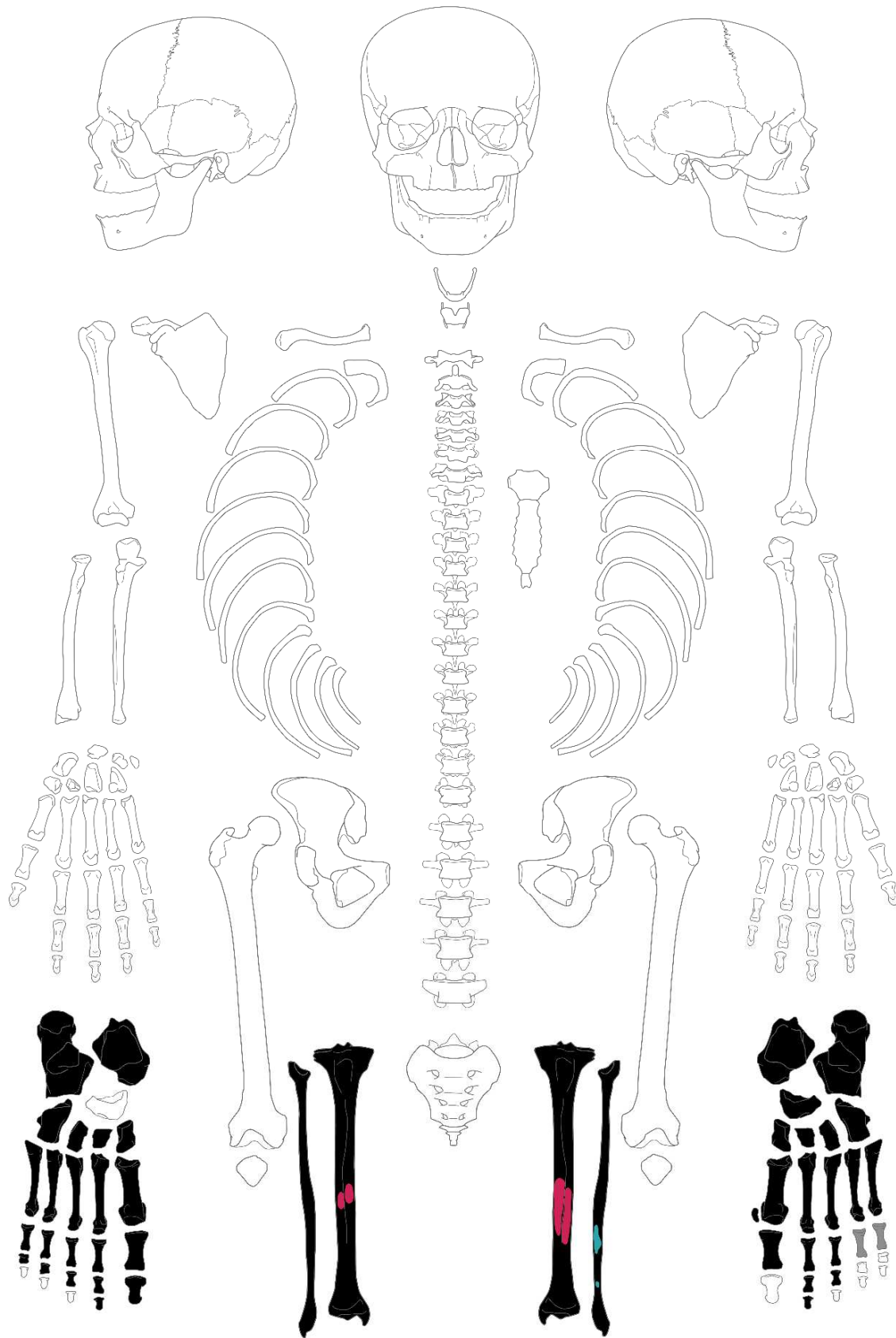
Algemeen	Werkput	5
	Vlak	5
	Spoor	5084
	Type graf	Kist
	Objecten	Kistnagels, kopspeldje



Overzichtsfoto individu in situ

Bio ID	Geslacht	/
	Leeftijd	>17
	Lengte	175,39 cm

SKELETAL STATUS

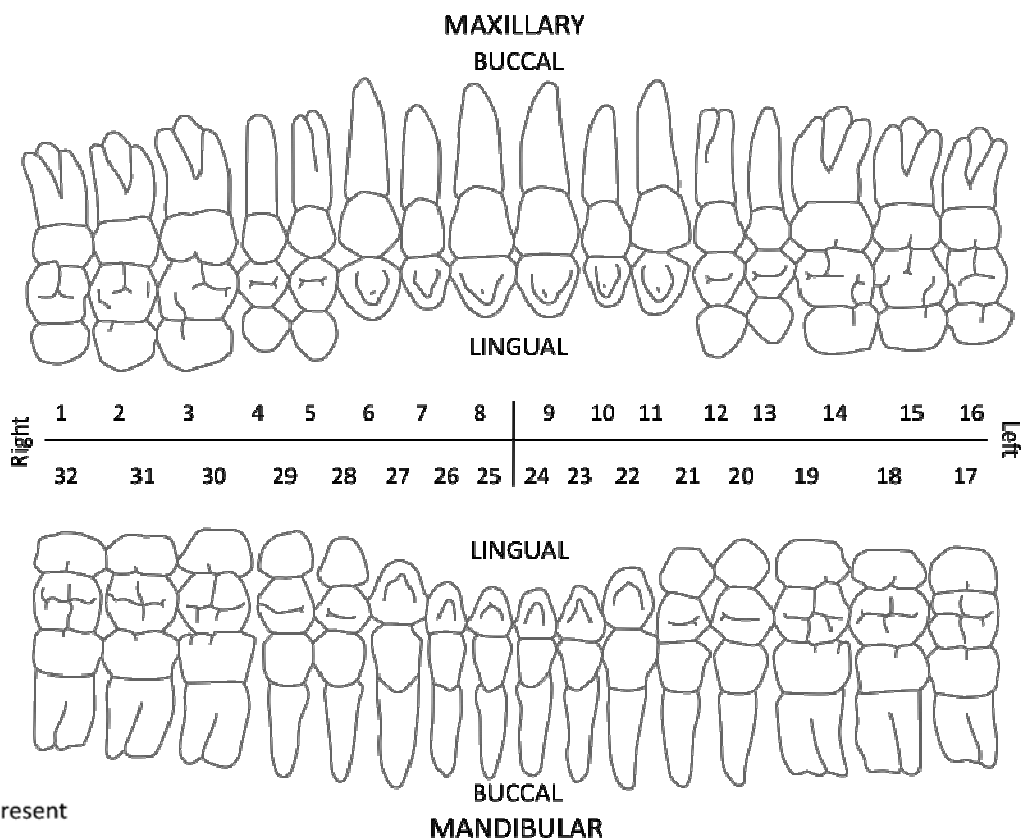


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1					I1	9	
7	I2					I2	10	
6	C					C	11	
5	Pm1					Pm1	12	
4	Pm2					Pm2	13	
3	M1					M1	14	
2	M2					M2	15	
1	M3					M3	16	
25	I1					I1	24	
26	I2					I2	23	
27	C					C	22	
28	Pm1					Pm1	21	
29	Pm2					Pm2	20	
30	M1					M1	19	
31	M2					M2	18	
32	M3					M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)				
	Epicondylar breadth (M>60.1; F<60.1)				
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{0}{33} =$	0
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{0}{9} =$	0
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{0}{38} =$	0

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella			3	0
Nuchal plane/crest			3	0
Parietal & frontal bossing			2	0
External occipital protuberance			2	0
Frontal inclination			1	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect			3	0
Mental eminence			2	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	
	2	Lambda	
	3	Obelion	
	4	Ant. Sagittal	
	5	Bregma	
	6	Midcoronal	
	7	Pterion	
	Composite score		
	Age range		
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)					
Bone	Site	Open	Partial	Closed	
Skull	Jugular synchondroses	< 34	22-34	> 22	
Scapula	Acromion	< 20	15-20	> 15	
	Medial border	< 23	19-23	> 19	
Clavicle	Medial	< 23	17-30	> 21	
Ribs	Heads	< 21	17-22	> 19	
Sacrum	S1-S2 bodies	< 27	14-30	> 21	
Pelvis	Iliac crest	< 20	14-22	> 18	
Manubrium	1st costal notch	< 23	18-25	> 21	
Sternum	B1-B2	< 25	15-25	> 15	
	B2-B3	< 20	15-20	> 11	
	B3-B4	< 15	11-20	> 4	
	B4-Xiphoid	< 40	-	> 35	
	Skeletal age		years		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$					4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$					3,27
Tibia	$78,62 + 2,52 \times \text{tib}$	38,4	175,39	38	174,38	3,27
Fibula	$71,78 + 2,68 \times \text{fib}$	37,2	171,48	36,7	170,14	3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

Opmerkingen: Gezien het vermoedelijk om een priester gaat, gekozen voor male stature

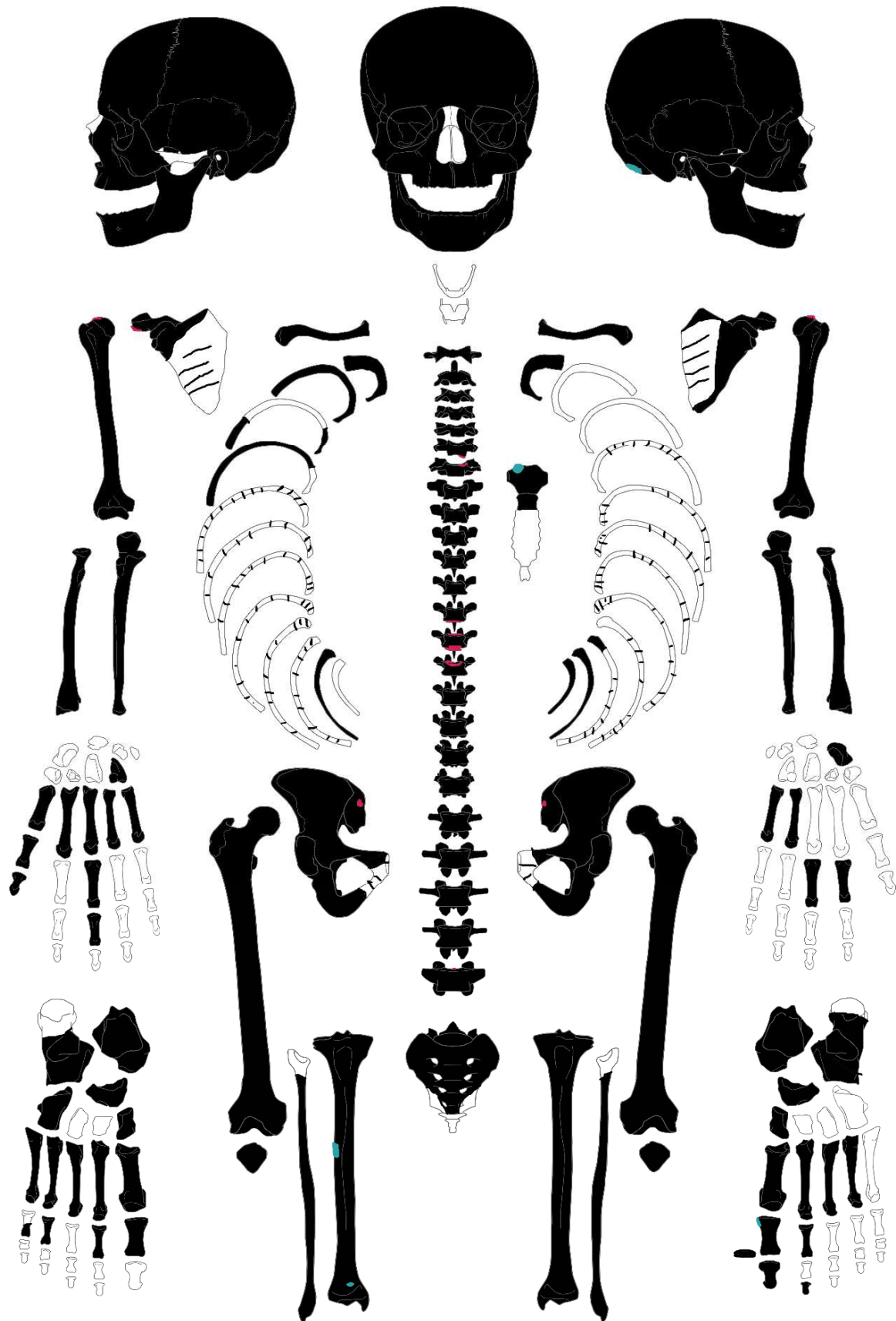
Algemeen	Werkput	5
	Vlak	3
	Spoor	5090
	Type graf	Kist
	Objecten	



Overzichtsfoto individu in situ

Bio ID	Geslacht	F?
	Leeftijd	35-39
	Lengte	173,85

SKELETAL STATUS

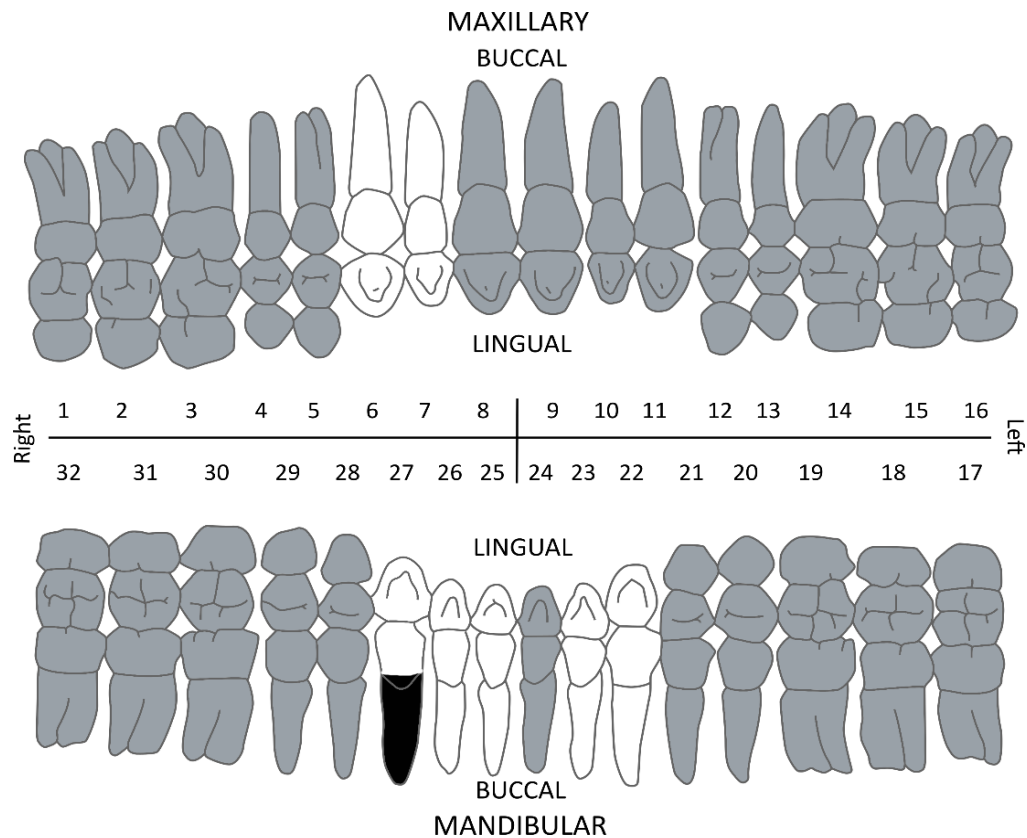


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	AM	B,	B	AM	I1	9	
7	I2	PM	Pe+++	B	AM	I2	10	
6	C	PM	pe+++	Pe+++	PM	C	11	
5	Pm1	AM	B	B	AM	Pm1	12	
4	Pm2	AM	B	B	AM	Pm2	13	
3	M1	AM	B	B	AM	M1	14	
2	M2	AM	B	B	AM	M2	15	
1	M3	AM	B	B	AM	M3	16	
25	I1	PM		B	AM	I1	24	
26	I2	PM			PM	I2	23	
27	C	P	Cc+, Pe+, Dubbele wortel, DW		PM	C	22	
28	Pm1	AM	B	B	AM	Pm1	21	
29	Pm2	AM	B	B	AM	Pm2	20	
30	M1	AM	B	B	AM	M1	19	
31	M2	AM	B	B	AM	M2	18	
32	M3	AM	B	B	AM	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)	157	M		
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
	Max length (M>151; M?>149; F?<144; V<140)				
Humerus	Vertical head diameter (M>47; F<44.9)	41,4	F	42,6	F
	Epicondylar breadth (M>60.1; F<60.1)	60,8	M	61,3	M
Femur	Max head diameter (M>48; F<43)	45,2	I	45,6	I
	Epicondylar breadth (M>76; F<74)			76,4	M
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{-10}{22} =$	-0,45
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{-1}{9} =$	-0,11
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{-51}{30} =$	-1,70

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	F?	-1	3	-3
Nuchal plane/crest	F?	-1	3	-3
Parietal & frontal bossing	F?	-1	2	-2
External occipital protuberance	F	-2	2	-4
Frontal inclination	F?	-1	1	-1

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M?	1	3	3
Zygomatic process	/		0	0
Supraorbital ridge	I	0	2	0
Zygomatic bone	I	0	2	0
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	/		0	0
Zygomatic process	/		0	0
Supraorbital ridge	I	0	2	0
Zygomatic bone	I	0	2	0
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	F?	-1	3	-3
Mental eminence	I	0	2	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	I	0	1	0
Inferior margin	M?	1	1	1

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	I	0	1	0
Inferior margin	M?	1	1	1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	F	-2	3	-6
Greater sciatic notch	F	-2	3	-6
Pubic arc/angle	/		0	0
Arc composé	F	-2	2	-4
Innominate bone	F?	-1	2	-2
Obturator foramen	/		0	0
Ischial body	F	-2	2	-4
Iliac crest	F?	-1	1	-1
Iliac fossa	F?	-1	1	-1
Pelvic inlet (midline)	F	-2	1	-2

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	F	-2	3	-6
Greater sciatic notch	F	-2	3	-6
Pubic arc/angle	/		0	0
Arc composé	F	-2	2	-4
Innominate bone	F?	-1	2	-2
Obturator foramen	/		0	0
Ischial body	F	-2	2	-4
Iliac crest	I	0	1	0
Iliac fossa	F?	-1	1	-1
Pelvic inlet (midline)	F	-2	1	-2

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left	/	
	Right	/	

Pubic symphysis (Todd 1970)	Side	Range	
	Left	/	
	Right	/	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	35-39
	Right	35-39

Auricular surface (B & C 2002)	Left	Traits	Right
	4	Transverse org.	4
	3	Surface texture	3
	2	Microporosity	2
	2	Macroporosity	1
	1	Apical changes	1
	12	Composite score	11
	52(29-81)	Age range	52(29-81)

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)
	/	

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	1
	2	Lambda	2
	3	Obelion	2
	4	Ant. Sagittal	1
	5	Bregma	1
	6	Midcoronal	2
	7	Pterion	0
	Composite score		9
	Age range		39,4(30,3-3
	Lateral-anterior sites		
	6	Midcoronal	2
	7	Pterion	0
	8	Sphenofrontal	0
	9	Inf. sphenotemp.	0
	10	Sup. sphenotemp.	0
	Composite score		2
	Age range		36,2(30-42

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
	Skeletal age	>22		

STATURE

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$	33,8	171,54	34,9	175,23	4,45
Radius	$54,93 + 4,74 \times \text{rad}$		54,93		54,93	4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$	26,3	170,06		57,76	4,3
Femur	$54,10 + 2,47 \times \text{fem}$	47,7	171,92	47,7	171,92	3,72
Tibia	$61,53 + 2,90 \times \text{tib}$	39	174,63	39,1	174,92	3,66
Fibula	$59,61 + 2,93 \times \text{fib}$		59,61		59,61	3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$	86,7	173,71	86,8	173,85	3,55

38,5)

,4)

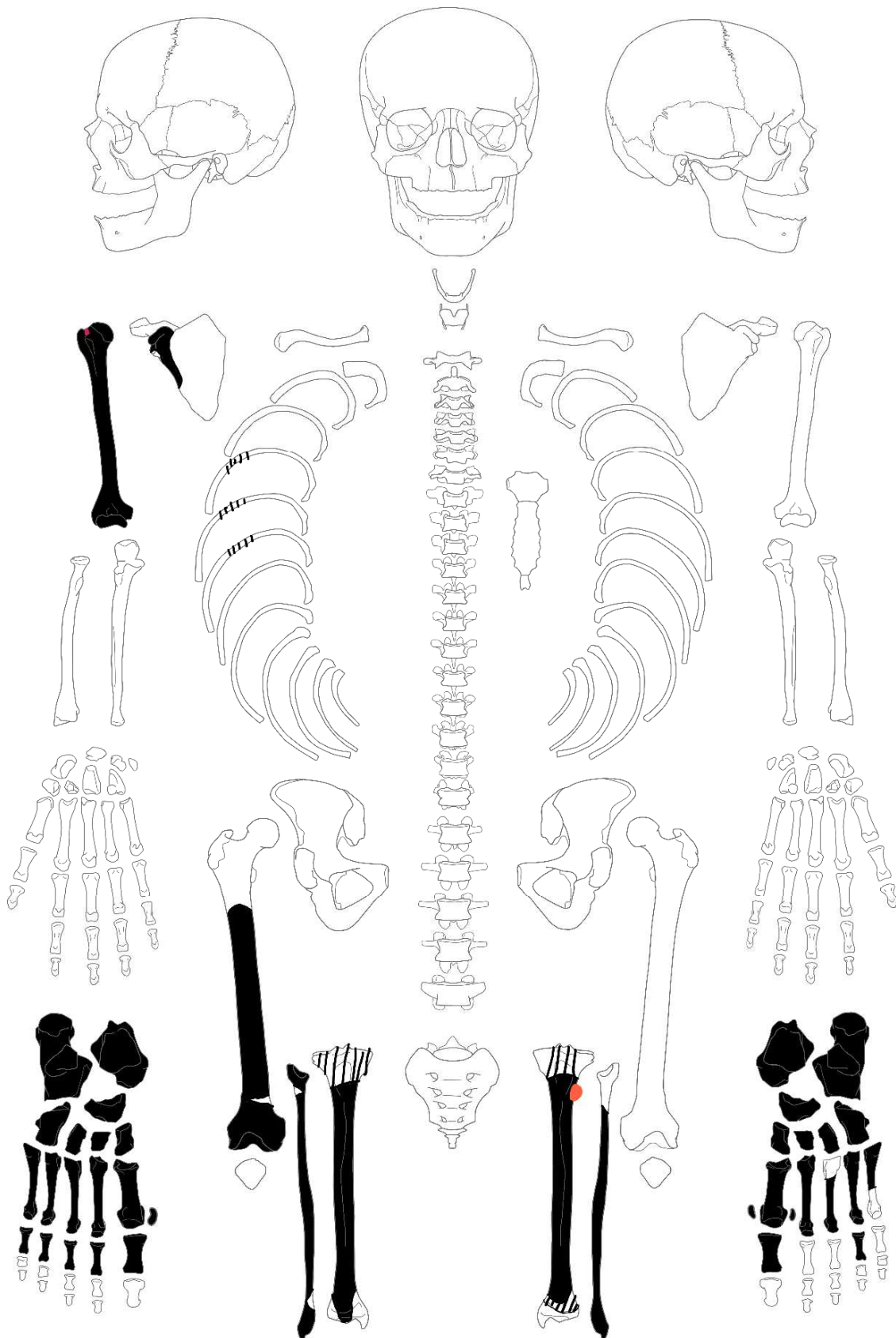
Algemeen	Werkput	5
	Vlak	3
	Spoor	/
	Type graf	Kist?
	Objecten	Kistnagel gecorrodeerd op linker tibia



Overzichtsfoto individu in situ (rechts)

Bio ID	Geslacht	F?
	Leeftijd	>17
	Lengte	160,13

SKELETAL STATUS



DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	M			M	I1	9	
7	I2	M			M	I2	10	
6	C	M			M	C	11	
5	Pm1	M			M	Pm1	12	
4	Pm2	M			M	Pm2	13	
3	M1	M			M	M1	14	
2	M2	M			M	M2	15	
1	M3	M			M	M3	16	
25	I1	M			M	I1	24	
26	I2	M			M	I2	23	
27	C	M			M	C	22	
28	Pm1	M			M	Pm1	21	
29	Pm2	M			M	Pm2	20	
30	M1	M			M	M1	19	
31	M2	M			M	M2	18	
32	M3	M			M	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch

MAXILLARY
BUCCAL

LINGUAL

Right

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

Left

LINGUAL

BUCCAL
MANDIBULAR

Present

Absent

Damaged

SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
	Max length (M>151; M?>149; F?<144; V<140)				
Humerus	Vertical head diameter (M>47; F<44.9)			44,1	F
	Epicondylar breadth (M>60.1; F<60.1)			50	F
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{0}{33} =$	<div>/</div>
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{0}{9} =$	<div>/</div>
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{0}{38} =$	<div>/</div>

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella			3	0
Nuchal plane/crest			3	0
Parietal & frontal bossing			2	0
External occipital protuberance			2	0
Frontal inclination			1	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect			3	0
Mental eminence			2	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	
	2	Lambda	
	3	Obelion	
	4	Ant. Sagittal	
	5	Bregma	
	6	Midcoronal	
	7	Pterion	
	Composite score		
	Age range		
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)					
Bone	Site	Open	Partial	Closed	
Skull	Jugular synchondroses	< 34	22-34	> 22	
Scapula	Acromion	< 20	15-20	> 15	
	Medial border	< 23	19-23	> 19	
Clavicle	Medial	< 23	17-30	> 21	
Ribs	Heads	< 21	17-22	> 19	
Sacrum	S1-S2 bodies	< 27	14-30	> 21	
Pelvis	Iliac crest	< 20	14-22	> 18	
Manubrium	1st costal notch	< 23	18-25	> 21	
Sternum	B1-B2	< 25	15-25	> 15	
	B2-B3	< 20	15-20	> 11	
	B3-B4	< 15	11-20	> 4	
	B4-Xiphoid	< 40	-	> 35	
	Skeletal age	>17 (pijpbeenderen gefuseerd)			

STATURE

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$			29	155,41	4,45
Radius	$54,93 + 4,74 \times \text{rad}$					4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$					4,3
Femur	$54,10 + 2,47 \times \text{fem}$					3,72
Tibia	$61,53 + 2,90 \times \text{tib}$			34	160,13	3,66
Fibula	$59,61 + 2,93 \times \text{fib}$					3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$					3,55

In situ meting

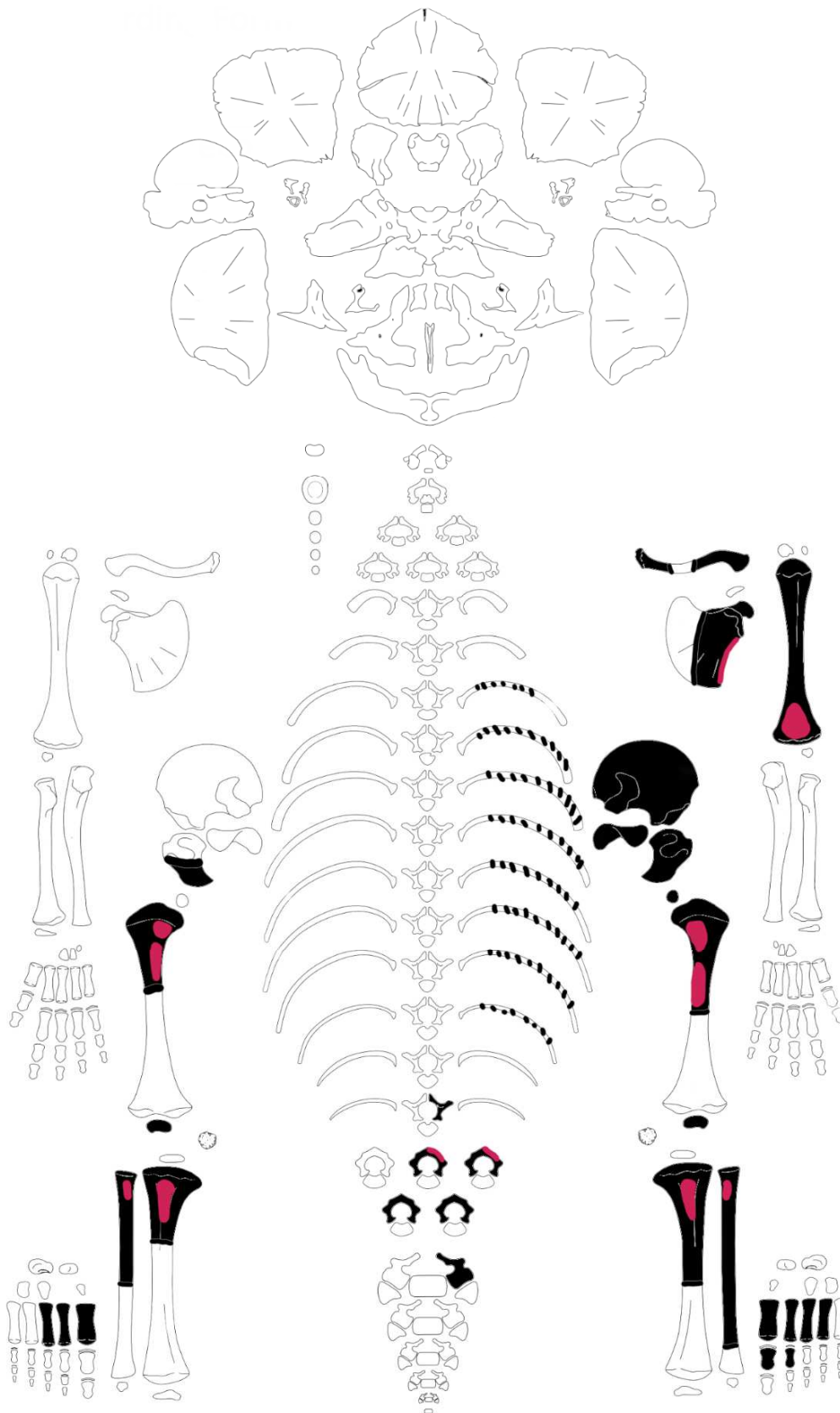
Algemeen	Werkput	5
	Spoor	/
	Vlak	3
	Type graf	?
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Leeftijd	34-36 weken
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SKELETAL STATUS



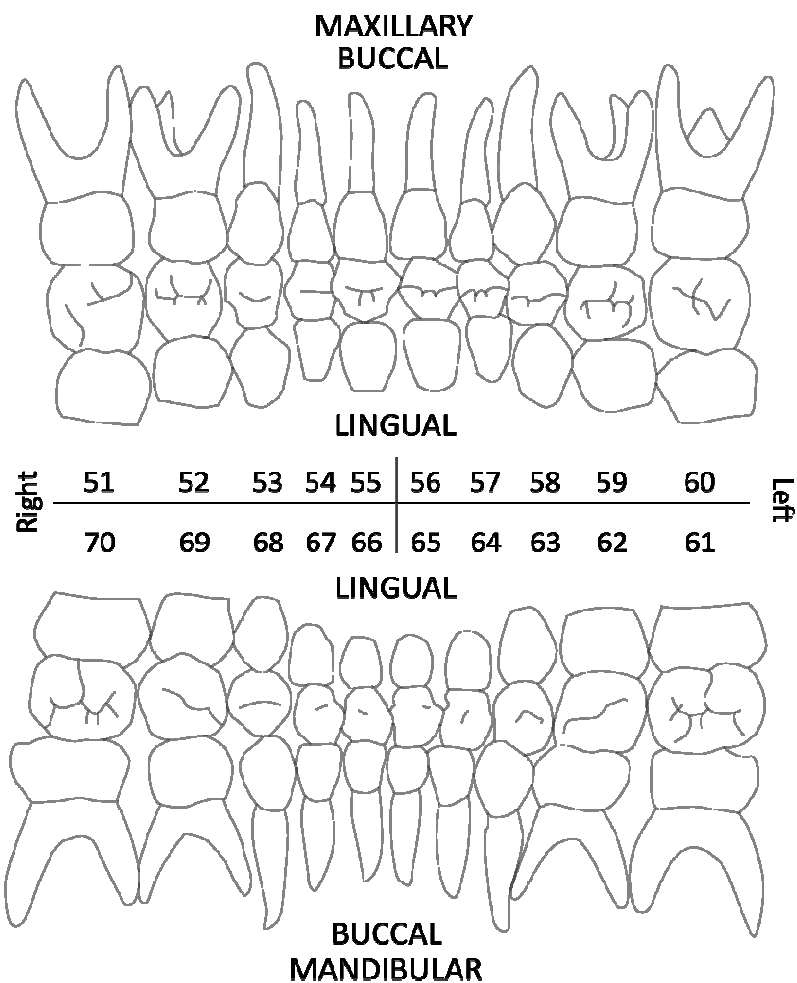
DENTAL STATUS

DECIDIOUS DENTITION

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
55	di1	M			M	di1	56	
54	di2	M			M	di2	57	
53	dc	M			M	dc	58	
52	dm1	M			M	dm1	59	
51	dm2	M			M	dm2	60	
66	di1	M			M	di1	65	
67	di2	M			M	di2	64	
68	dc	M			M	dc	63	
69	dm1	M			M	dm1	62	
70	dm2	M			M	dm2	61	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



AGE ESTIMATION

Dental eruption and mineralization 1978; WEA 1980)	(Ubelaker	Dental age

Skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Posterior fontanelle	< 3	0-3	> 0
	Anterior fontanelle	< 2	0-2	> 0
Sphenoid	Lesser wings to sphenoid body	< 1 mths		> 5 f mths
	Pre Sphenoid to post sphenoid	< 2 mths		> 8 f mths
	Greater wings to sphenoid body	< 12 mths		> 1 mth
	Foramen ovale (Greater Wing)	< 6 mths		> 1 mth
Temporal	Tympanic ring to temporal squamous	< 1 mths		> 9 f mths
	Petromastoid to squamotympanic	< 12 mths		> 9 f mths
Occipital	Supra-occipital to interparietal squama	< 5 f mths		> 5 f mths
	Superior median fissure	< 11 mths		> 5 mths
	Sutura mendosa	< 1,5	5 mths-1,5	> 5 mths
	Partes laterales to squama	< 4	1-4	> 1
	Hypoglossal canal (pars laterales)	< 4	1,5-4	> 1,5
Frontal	Fusion of 2 halves of frontal bone	< 2	9 mths-2	> 9 mths
	Obliteration of metopic suture (generally)	< 4	2-4	> 2
Mandible	Mental symphysis	< 1	0-1	> 0
Vertebrae	Intradental union (C2)	< full term		> full term
	Neural arches of C3-C5	< 2	6 mths-2	> 6 mths
	Neural arches of thoracic-lumbar vertebrae	< 3	1-2	> 2
	Neural arches of C2	< 4	3-4	> 3
	Neural arches of C1	< 5	4-5	> 4
	Neural arches to centrum (C3-L5)	< 5	2-5	> 2
	Dens to neural arch	< 4	3-4	> 3
	Centrum to neural arch (C2)	< 6	4-6	> 4
	Neural arch to anterior bar (C1)	< 5	4-5	> 4
Sacrum	lateral element to neural arch	< 5	2-5	> 2
	Wing to centra	< 6	2-6	> 2
Humerus	Greater and lesser tubercles to head	< 6	2-6	> 2
Skeletal age		< 3		

Juvenile longe bone measurements (Schaefer et al. 2009)

Bone	Measurement	L	R	Age
Clavicle	Length (mm)			
Scapula	Length (mm)			
	Width (cm)			
Humerus	Length (mm)	>54,7		>36 weken
Radius	Length (mm)			
Ulna	Length (mm)			
Ilium	Length (mm)	26,8		34 weken
	Width (mm)	24		34 weken
Femur	Length (mm)			
Tibia	Length (mm)			
Fibula	Length (mm)			

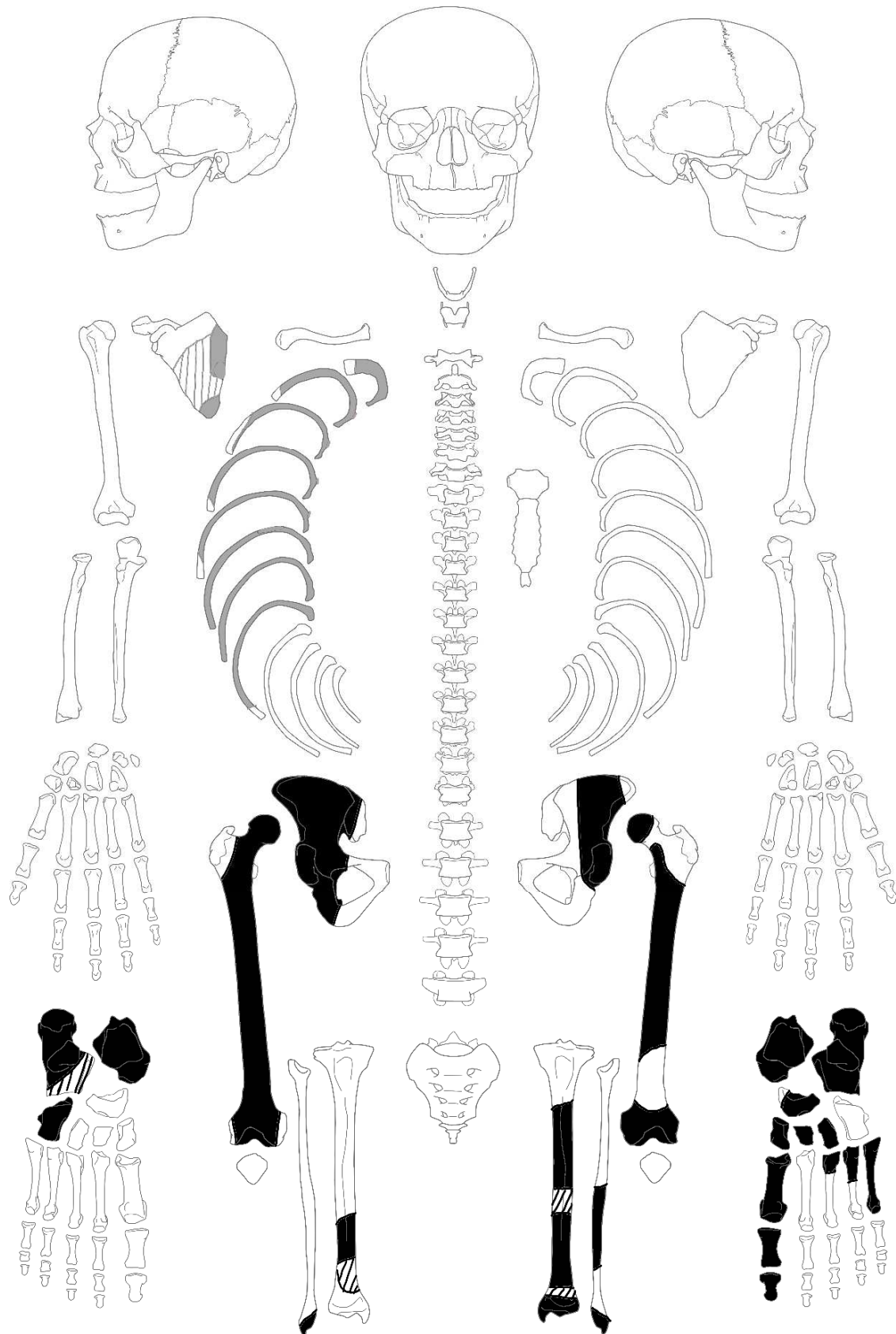
Algemeen	Werkput	5
	Vlak	3
	Spoor	5094
	Type graf	Kist
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	F?
	Leeftijd	>18
	Lengte	/

SKELETAL STATUS



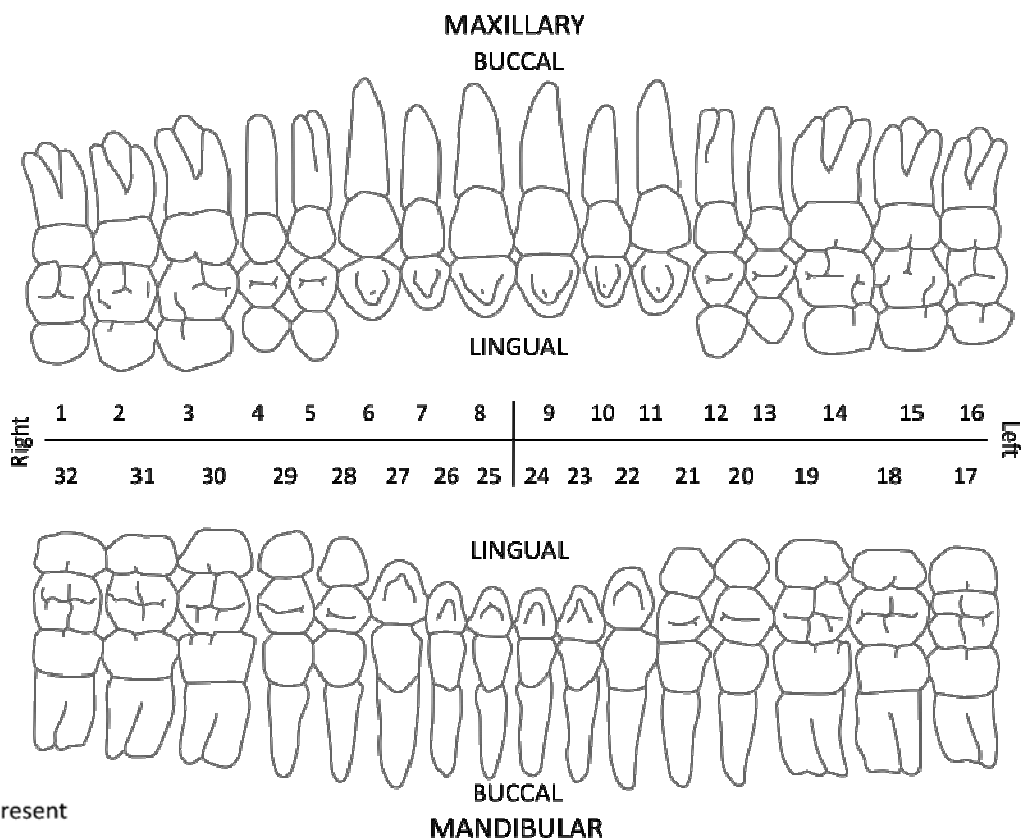
Opmerking: in het grijs skeletdelen van IND17, die obv locatie in het veld mogelijk bij IND16 horen

DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	M			M	I1	9	
7	I2	M			M	I2	10	
6	C	M			M	C	11	
5	Pm1	M			M	Pm1	12	
4	Pm2	M			M	Pm2	13	
3	M1	M			M	M1	14	
2	M2	M			M	M2	15	
1	M3	M			M	M3	16	
25	I1	M			M	I1	24	
26	I2	M			M	I2	23	
27	C	M			M	C	22	
28	Pm1	M			M	Pm1	21	
29	Pm2	M			M	Pm2	20	
30	M1	M			M	M1	19	
31	M2	M			M	M2	18	
32	M3	M			M	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)				
	Epicondylar breadth (M>60.1; F<60.1)				
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{0}{33} =$	0
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{0}{9} =$	0
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{-9}{8} =$	-1,13

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella			3	0
Nuchal plane/crest			3	0
Parietal & frontal bossing			2	0
External occipital protuberance			2	0
Frontal inclination			1	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect			3	0
Mental eminence			2	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	F?	-1	3	-3
Pubic arc/angle	/		0	0
Arc composé	F	-2	2	-4
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	F?	-1	2	-2
Iliac crest	I	0	1	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	
	2	Lambda	
	3	Obelion	
	4	Ant. Sagittal	
	5	Bregma	
	6	Midcoronal	
	7	Pterion	
	Composite score		
	Age range		
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		> 18		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$					4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$					3,27
Tibia	$78,62 + 2,52 \times \text{tib}$					3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$					4,45
Radius	$54,93 + 4,74 \times \text{rad}$					4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$					4,3
Femur	$54,10 + 2,47 \times \text{fem}$					3,72
Tibia	$61,53 + 2,90 \times \text{tib}$					3,66
Fibula	$59,61 + 2,93 \times \text{fib}$					3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$					3,55

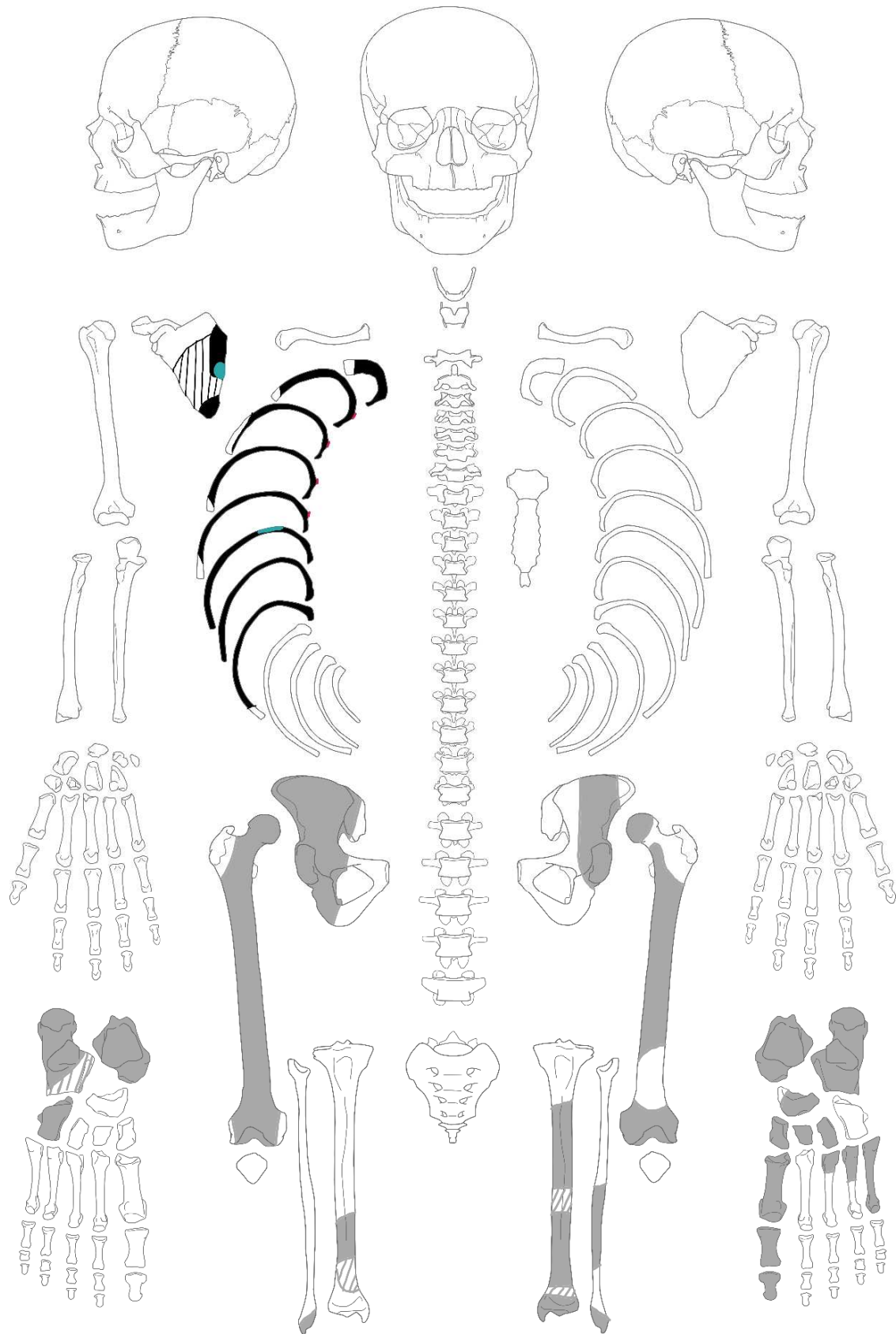
Algemeen	Werkput	5
	Vlak	3
	Spoor	5094?
	Type graf	Kist?
	Objecten	/



Overzichtsfoto individu in situ (bovenaan; IND16 onderaan)

Bio ID	Geslacht	/
	Leeftijd	> 19
	Lengte	/

SKELETAL STATUS



Present

Absent

Damaged

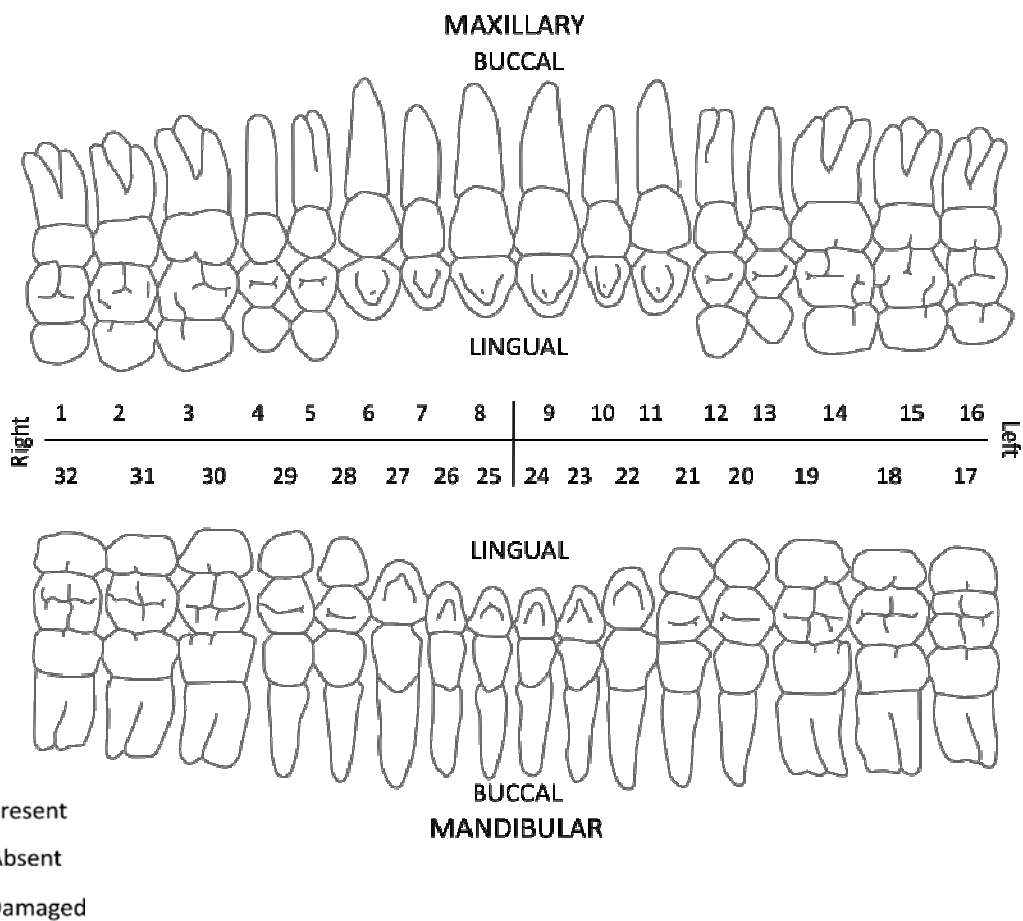
opmerking: In het grijs beenderen uit graf 16, dat mogelijk dezelfde context is, maar anatomisch niet in verband gebracht kan worden

DENTAL STATUS

MAXILLA							
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.
8	I1	M			M	I1	9
7	I2	M			M	I2	10
6	C	M			M	C	11
5	Pm1	M			M	Pm1	12
4	Pm2	M			M	Pm2	13
3	M1	M			M	M1	14
2	M2	M			M	M2	15
1	M3	M			M	M3	16
25	I1	M			M	I1	24
26	I2	M			M	I2	23
27	C	M			M	C	22
28	Pm1	M			M	Pm1	21
29	Pm2	M			M	Pm2	20
30	M1	M			M	M1	19
31	M2	M			M	M2	18
32	M3	M			M	M3	17
MANDIBLE							

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)				
	Epicondylar breadth (M>60.1; F<60.1)				
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{0}{33} =$	0
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{0}{9} =$	0
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{0}{38} =$	0

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella			3	0
Nuchal plane/crest			3	0
Parietal & frontal bossing			2	0
External occipital protuberance			2	0
Frontal inclination			1	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process			3	0
Zygomatic process			3	0
Supraorbital ridge			2	0
Zygomatic bone			2	0
Orbit shape & margin			1	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect			3	0
Mental eminence			2	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle			1	0
Inferior margin			1	0

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	
	2	Lambda	
	3	Obelion	
	4	Ant. Sagittal	
	5	Bregma	
	6	Midcoronal	
	7	Pterion	
	Composite score		
	Age range		
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		> 19		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$					4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$					3,27
Tibia	$78,62 + 2,52 \times \text{tib}$					3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$					4,45
Radius	$54,93 + 4,74 \times \text{rad}$					4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$					4,3
Femur	$54,10 + 2,47 \times \text{fem}$					3,72
Tibia	$61,53 + 2,90 \times \text{tib}$					3,66
Fibula	$59,61 + 2,93 \times \text{fib}$					3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$					3,55

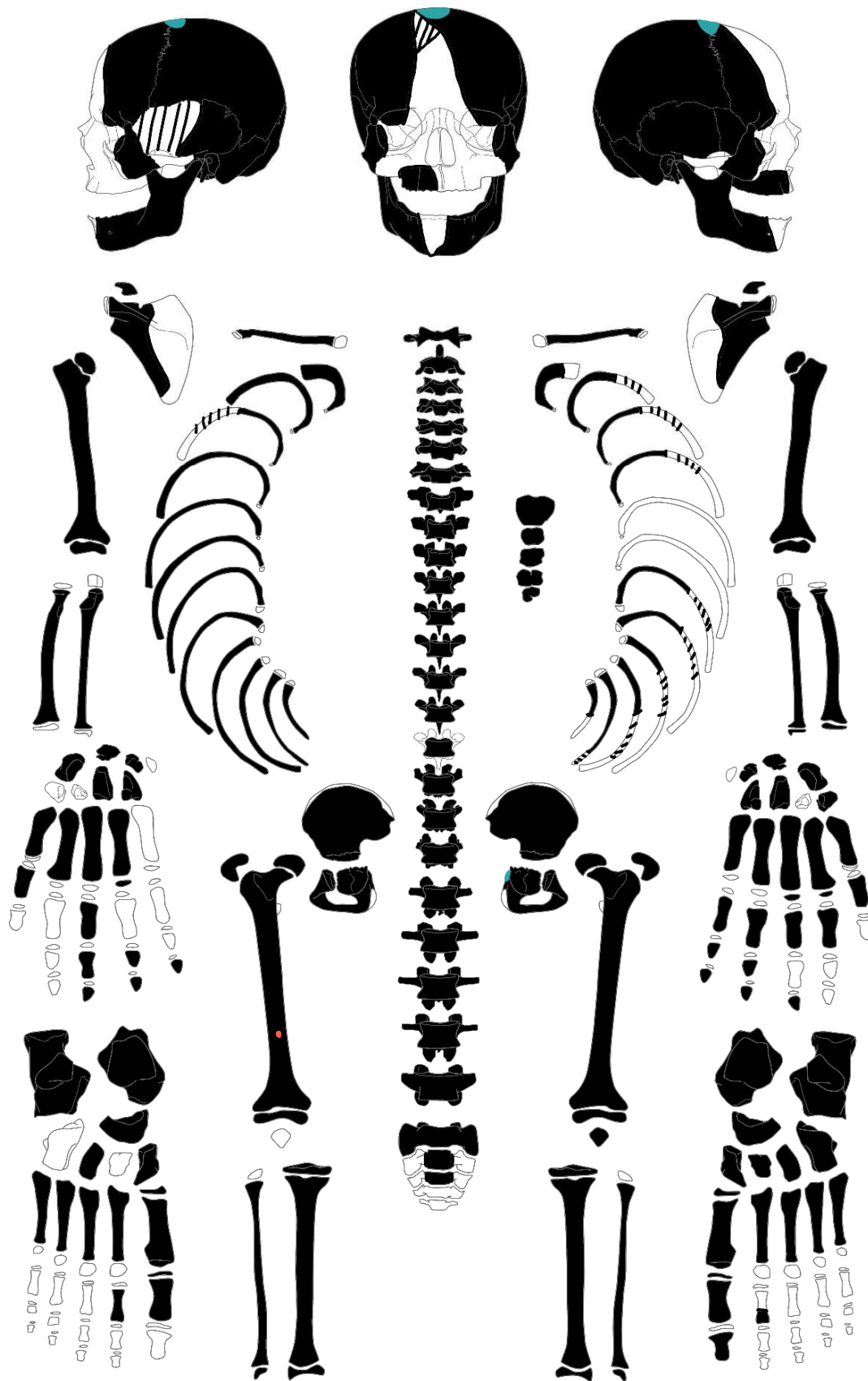
Algemeen	Werkput	5
	Vlak	3
	Spoor	/
	Type graf	Kist
	Objecten	Kistnagels



Overzichtsfoto individu in situ

Bio ID	Leeftijd	9-11
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SKELETAL STATUS

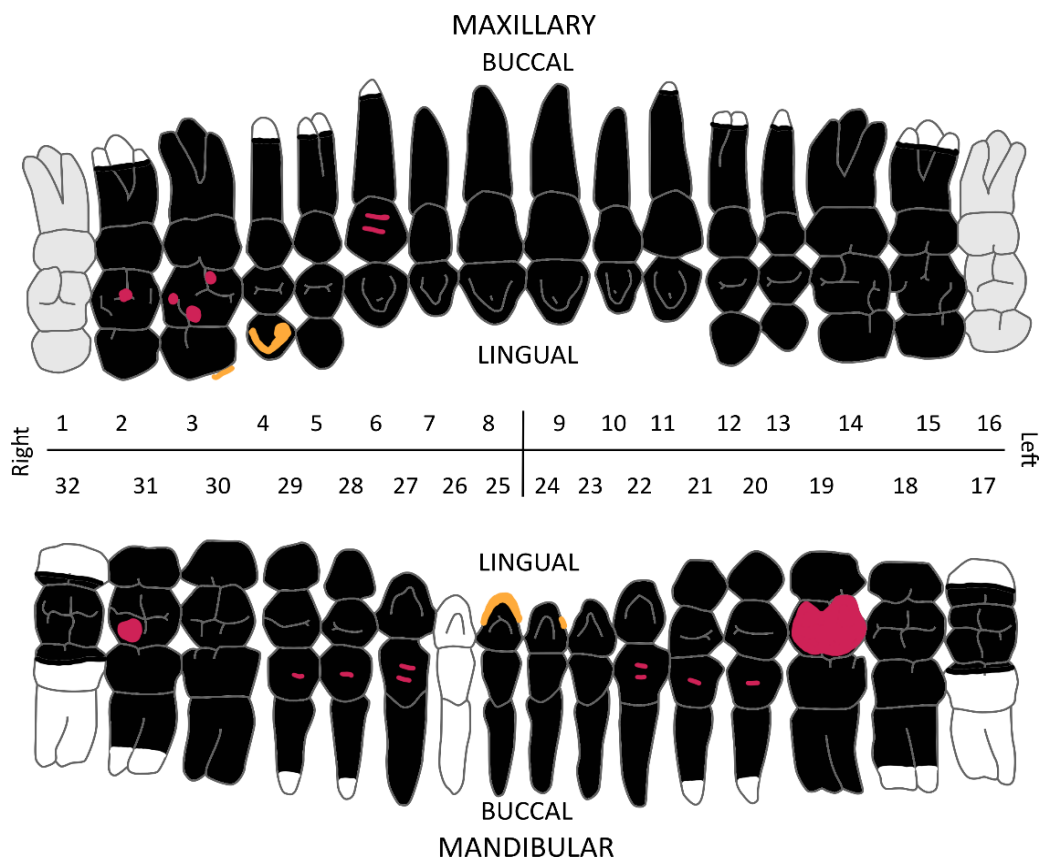


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	P			P	I1	9	
7	I2	P			P	I2	10	
6	C	P	H		P	C	11	
5	Pm1	P			P	Pm1	12	
4	Pm2	P	Cc+		P	Pm2	13	
3	M1	P	Cc+, 3 occl. Ca (dentin), carabelli cusp	carabelli cusp	P	M1	14	
2	M2	P	1 occl. Ca (enamel), enamel extension		P	M2	15	
1	M3	M			M	M3	16	
25	I1	P	Cc++	Cc+	P	I1	24	
26	I2	PM			P	I2	23	
27	C	P	H	H	P	C	22	
28	Pm1	P	H	H	P	Pm1	21	
29	Pm2	P	H	H	P	Pm2	20	
30	M1	P		grote occl. Ca (root)	P	M1	19	
31	M2	P	occl. Ca (dentin)		P	M2	18	
32	M3	U			U	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



AGE ESTIMATION

Dental eruption and mineralization 1978; WEA 1980)	(Ubelaker	Dental age
		9,5-14,5 jaar

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Spheno occipital synchondrosis	< 18	11-18	> 11
Scapula	Acromiom	< 20	15-20	> 15
	Coraco-Glenoid	< 16	14-18	> 16
	Medial border	< 23	19-23	> 19
	Inferior angle	< 21	17-22	> 17
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Humerus	Proximal	< 20	14-21	> 16
	Medial	< 18	13-18	> 13
	Distal	< 15	11-18	> 12
Ulna	Proximal	< 16	12-18	> 12
	Distal	< 20	15-20	> 15
Radius	Proximal	< 18	12-18	> 13
	Distal	< 19	14-20	> 15
Hand	MC's and phalanges	< 17	11-18	> 12
Sacrum	Auricular surface	< 21	15-21	> 17
	S1-S2 bodies	< 27	14-30	> 21
	S1-S2 alae	< 20	11-27	> 19
	S2-S5 bodies	< 20	12-28	> 19
	S2-S5 alae	< 16	10-21	> 13
Pelvis	Iliac crest	< 20	14-22	> 18
	Ant inf iliac spine	< 18	14-18	> 15
	Ischial tuberosity	< 18	14-20	> 16
Femur	Head	< 18	14-19	> 14
	Greater trochanter	< 18	14-19	> 14
	Lesser trochanter	< 18	16-19	> 14
	Distal	< 19	14-20	> 17
Tibia	Proximal	< 18	14-20	> 17
	Distal	< 18	14-18	> 15
Fibula	Proximal	< 19	14-20	> 15
	Distal	< 18	14-18	> 15
Foot	Calcaneus	< 20	10-20	> 10
	MT's and phalanges	< 17	11-16	> 11
Vertebrae	Annular Rings	< 21	14-23	> 18
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	Skeletal age	< 16		

Juvenile longe bone measurements (Schaefer et al. 2009)

Bone	Measurement	L	R	Age
Clavicle	Length (mm)			
Scapula	Length (mm)			
	Width (cm)			
Humerus	Length (mm)	238	247	9-11
Radius	Length (mm)			
Ulna	Length (mm)			
Ilium	Length (mm)			
	Width (mm)			
Femur	Length (mm)		353	10-11
Tibia	Length (mm)			
Fibula	Length (mm)			

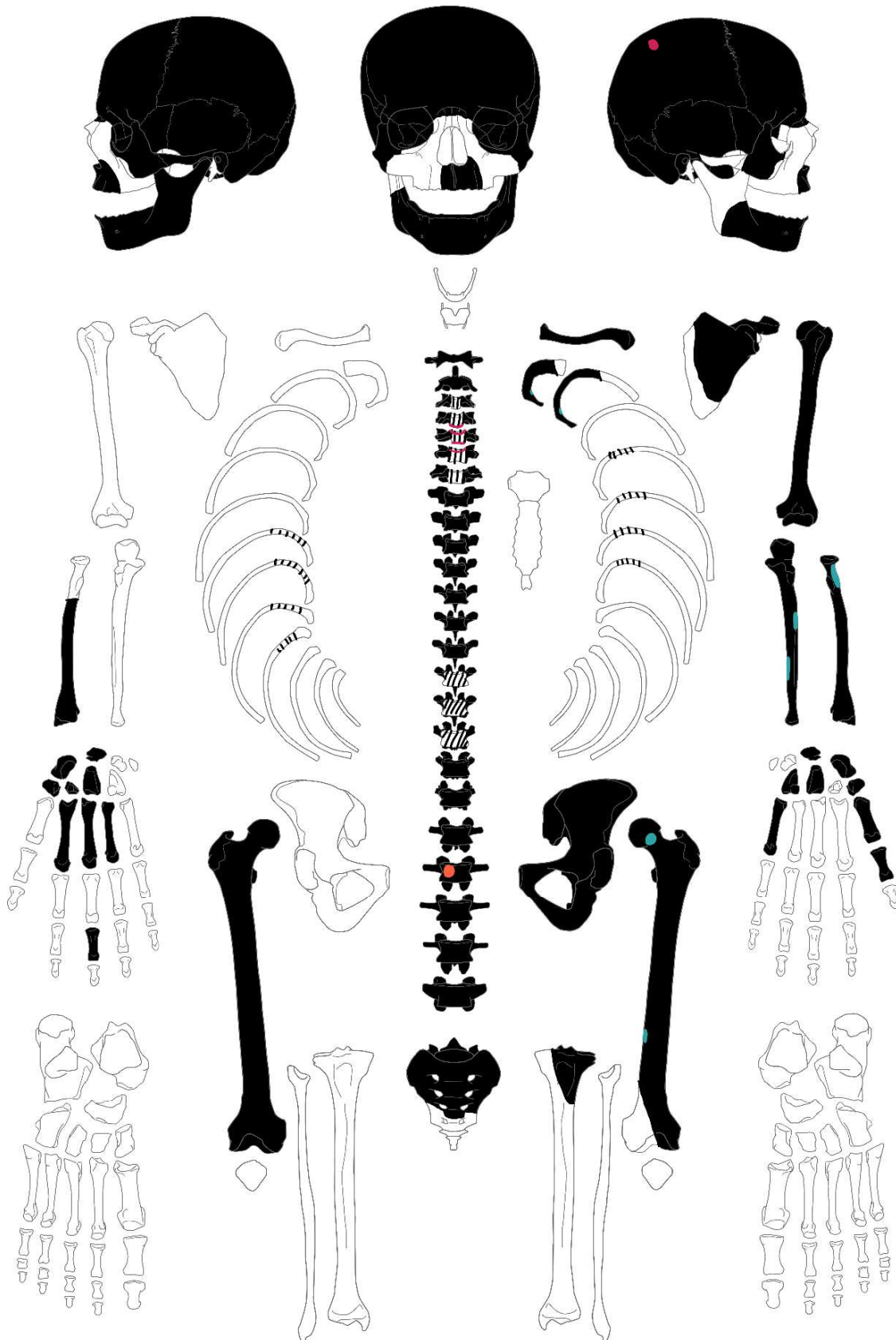
Algemeen	Werkput	5
	Vlak	3
	Spoor	5107
	Type graf	Kist
	Objecten	Kopspeldje



Overzichtsfoto individu in situ (links)

Bio ID	Geslacht	M?
	Leeftijd	25-29
	Lengte	162,08 cm

SKELETAL STATUS

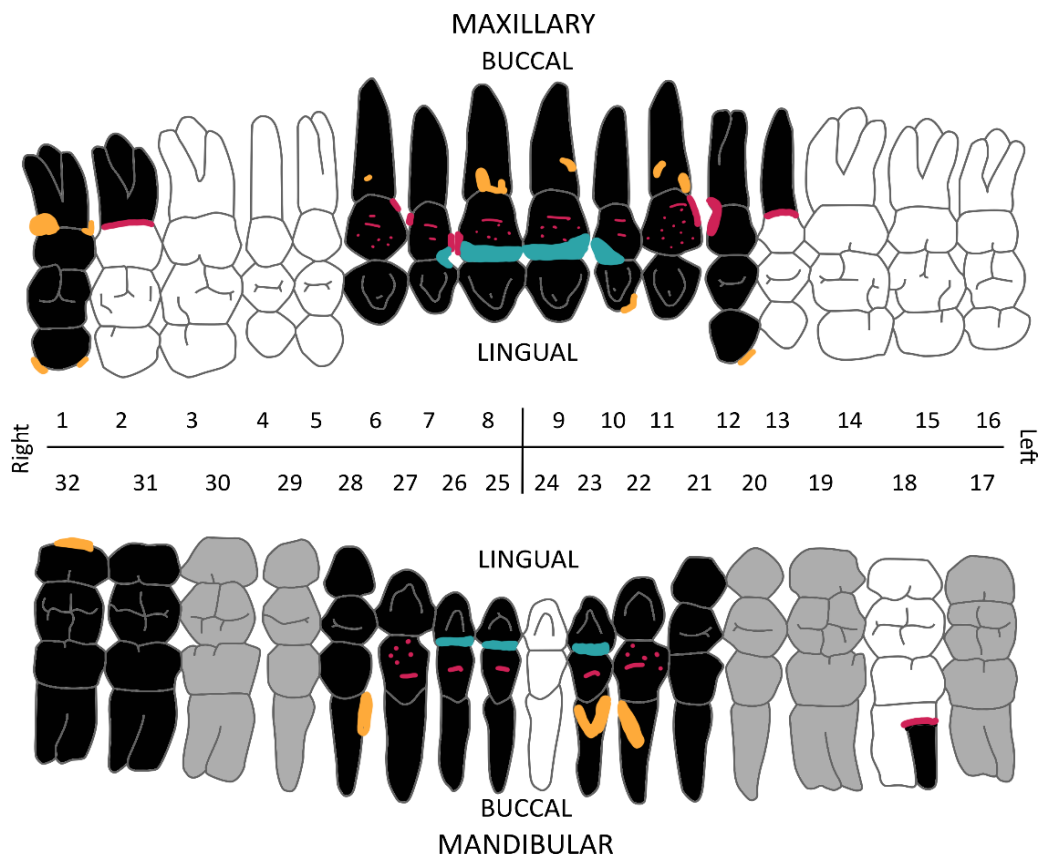


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	P	Dw, H, interprox. Ca (enamel), Cc+, Pe+++	Dw, H, Cc+, Pe+++	P	I1	9	
7	I2	P	Dw, H, interprox. Ca (enamel), Pe+++	Dw, H, Cc+, Pe+++	P	I2	10	
6	C	P	H, interprox. Ca (enamel), Cc+, Pe+++	H, Cc+, interprox. Ca (dentin), Pe+++	P	C	11	
5	Pm1	M		Cc+, interprox. Ca (dentin), Pe+++	P	Pm1	12	
4	Pm2	M		Occl. Ca (root), Pe+++	P	Pm2	13	
3	M1	M			M	M1	14	
2	M2	P	occl. Ca (root)		M	M2	15	
1	M3	P	Cc++, Pe+++		M	M3	16	
25	I1	P	Dw, H, Pe+++		PM	I1	24	
26	I2	P	Dw, H, Pe+++	Dw, H, Cc+, Pe+++	P	I2	23	
27	C	P	H, Pe+++	H, Cc+, Pe+++	P	C	22	
28	Pm1	P	Cc+, Pe+++	Pe+++	P	Pm1	21	
29	Pm2	AM	B	B	AM	Pm2	20	
30	M1	AM	B	B	AM	M1	19	
31	M2	P		Occl. Ca (root), Pe+++	P	M2	18	
32	M3	P	Cc+, Pe+++	B	AM	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)	141	I		
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)	38,4	M		
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)	46,5	I		
	Epicondylar breadth (M>60.1; F<60.1)	59,1	I		
Femur	Max head diameter (M>48; F<43)	47,8	I	48,7	M
	Epicondylar breadth (M>76; F<74)			75,1	I
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{12}{23} =$	0,52
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{-8}{9} =$	-0,89
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{9}{19} =$	0,47

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M?	1	3	3
Nuchal plane/crest	F?	-1	3	-3
Parietal & frontal bossing	I	0	2	0
External occipital protuberance	F?	-1	2	-2
Frontal inclination	F	2	1	2

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	/		0	0
Supraorbital ridge	F	-2	2	-4
Zygomatic bone	M?	1	2	2
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	/		0	0
Supraorbital ridge	/		0	0
Zygomatic bone	M?	1	2	2
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	F?	-1	3	-3
Mental eminence	I	0	2	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	F?	-1	1	-1
Inferior margin	F	-2	1	-2

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	F?	-1	1	-1
Inferior margin	F?	-1	1	-1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M?	1	3	3
Greater sciatic notch	I	0	3	0
Pubic arc/angle	M?	1	2	2
Arc composé	F?	-1	2	-2
Innominate bone	M	2	2	4
Obturator foramen	M?	1	2	2
Ischial body	F	-2	2	-4
Iliac crest	M?	1	1	1
Iliac fossa	M?	1	1	1
Pelvic inlet (midline)	M	2	1	2

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	25-29
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
	2	Transverse org.	
	2	Surface texture	
	2	Microporosity	
	1	Macroporosity	
	1	Apical changes	
	8	Composite score	
	27(21-38)	Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	2
	2	Lambda	3
	3	Obelion	3
	4	Ant. Sagittal	3
	5	Bregma	3
	6	Midcoronal	2
	7	Pterion	2
	Composite score		18
	Age range		38,3-59,3
	Lateral-anterior sites		
	6	Midcoronal	2
	7	Pterion	2
	8	Sphenofrontal	2
	9	Inf. sphenotemp.	0
	10	Sup. sphenotemp.	2
	Composite score		8
	Age range		36,6-54,4

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>22		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$	34,2	175,79			4,05
Radius	$79,01 + 3,78 \times \text{rad}$	24,8	172,75			4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$	25,8	169,51			4,32
Femur	$61,41 + 2,38 \times \text{fem}$			42,3	162,08	3,27
Tibia	$78,62 + 2,52 \times \text{tib}$					3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

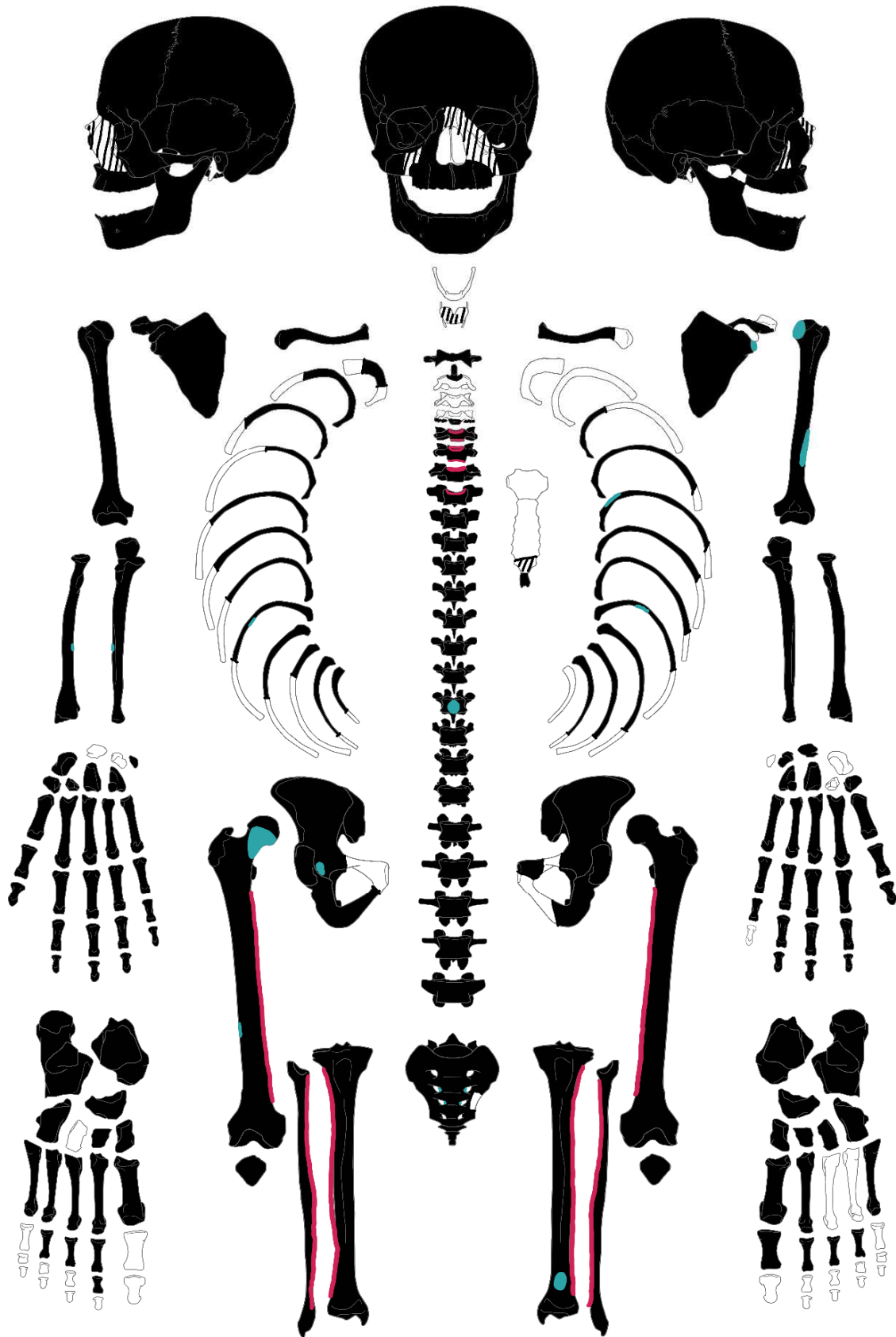
Algemeen	Werkput	5
	Vlak	
	Spoor	5102
	Type graf	Kist
	Objecten	Metalen objecten



Overzichtsfoto individu in situ

Bio ID	Geslacht	M
	Leeftijd	>35
	Lengte	162,48

SKELETAL STATUS

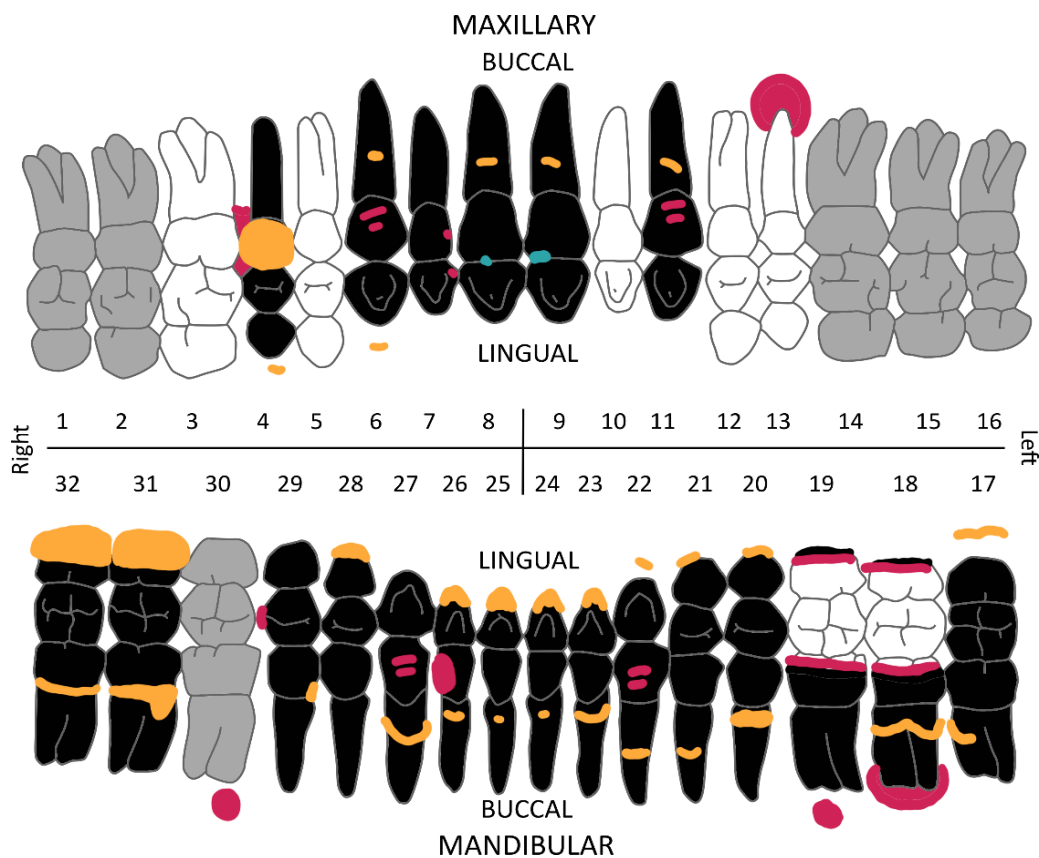


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	P	B, Pe+++ , Cc+, interruption groove, chipping	Pe+++ , Cc+, interruption groove, chipping	P	I1	9	
7	I2	P	B, Pe+++ , Cc+, interprox. Ca	Pe+++	PM	I2	10	
6	C	P	B, Cc+, Pe+++ , H, tuberculum dentale	Pe+++ , Cc+, H, tuberculum dentale	P	C	11	
5	Pm1	PM	Pe+++	Pe+++	PM	Pm1	12	
4	Pm2	P	Cc+++ , periodontal Ab	Pe+++ , periapical Ab	PM	Pm2	13	
3	M1	PM	Pe+++	B	AM	M1	14	
2	M2	AM	B	B	AM	M2	15	
1	M3	AM	B	B	AM	M3	16	
25	I1	P	Pe+++ , Cc+	Pe+++ , Cc+	P	I1	24	
26	I2	P	Pe+++ , Cc+, Interprox. Ca	Pe+++ , Cc+	P	I2	23	
27	C	P	Pe+, Cc+, H	Pe+, Cc+, H	P	C	22	
28	Pm1	P	Pe+, Cc+	Pe+, Cc+	P	Pm1	21	
29	Pm2	P	Pe+, Cc+, Interprox. Ca	Pe+, Cc++	P	Pm2	20	
30	M1	AM	B, periapical Ab (fistula)	B, Pe+++ , Cc+, periap. Ab (fistula), occl. Ca	P	M1	19	
31	M2	P	Pe+++ , Cc+++	B, Pe+++ , Cc+, occl. Ca, periap. Ab	P	M2	18	
32	M3	P	Pe+++ , Cc+++	Pe+++ , Cc+	P	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerrupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



Present
 Absent
 -



Damaged

SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left mm	Sex	Right mm	Sex
Clavicle	Max length (M>150; F<138)	/		151	M
Scapula	Max glenoid width (M>29; F<26)	/		/	
	Max glenoid length (M>36; F<34)	/		/	
Humerus	Max length (M>151; M?>149; F?<144; V<140)	/		/	
	Vertical head diameter (M>47; F<44.9)	49,8	M	47,5	M
	Epicondylar breadth (M>60.1; F<60.1)	67,5	M	68,6	M
Femur	Max head diameter (M>48; F<43)	/		/	
	Epicondylar breadth (M>76; F<74)	84,2	M	83,9	M
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)	/		/	

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{41}{29} =$	1,41
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{14}{9} =$	1,56
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{50}{28} =$	1,79

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M	2	3	6
Nuchal plane/crest	/		0	0
Parietal & frontal bossing	M?	1	2	2
External occipital protuberance	M	2	2	4
Frontal inclination	M?	1	1	1

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	M	2	3	6
Supraorbital ridge	I	0	2	0
Zygomatic bone	M?	1	2	2
Orbit shape & margin	/	0	1	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	M	2	3	6
Supraorbital ridge	I	0	2	0
Zygomatic bone	M?	1	2	2
Orbit shape & margin	/	0	0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	M	2	3	6
Mental eminence	M?	1	2	2

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	M?	1	1	1
Inferior margin	M	2	1	2

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M?	1	1	1
Inferior margin	M	2	1	2

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	M	2	3	6
Pubic arc/angle	/		0	0
Arc composé	M	2	2	4
Innominate bone	M	2	2	4
Obturator foramen	/		0	0
Ischial body	I	0	2	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	M	2	1	2

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	M	2	3	6
Pubic arc/angle	/		0	0
Arc composé	M	2	2	4
Innominate bone	M	2	2	4
Obturator foramen	/		0	0
Ischial body	M?	1	2	2
Iliac crest	M	2	1	2
Iliac fossa	M	2	1	2
Pelvic inlet (midline)	M	2	1	2

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left	/	
	Right	/	

Pubic symphysis (Todd 1970)	Side	Range
	Left	/
	Right	/

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	30-34
	Right	30-34

Auricular surface (B & C 2002)	Left	Traits	Right
	2	Transverse org.	2
	3	Surface texture	3
	1	Microporosity	2
	2	Macroporosity	1
	1	Apical changes	1
	9	Composite score	9
	37(16-65)	Age range	37(16-65)

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)
	/	

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	0
	2	Lambda	0
	3	Obelion	2
	4	Ant. Sagittal	1
	5	Bregma	0
	6	Midcoronal	0
	7	Pterion	0
	Composite score		3
	Age range		34,7(26,9-4
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>35		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$	30,4	164,08	30,2	163,47	4,05
Radius	$79,01 + 3,78 \times \text{rad}$		79,01		79,01	4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$	24,8	165,81	24,7	165,44	4,32
Femur	$61,41 + 2,38 \times \text{fem}$	41,1	159,23	41	158,99	3,27
Tibia	$78,62 + 2,52 \times \text{tib}$	35,2	167,32	34,2	164,80	3,27
Fibula	$71,78 + 2,68 \times \text{fib}$		71,78	32,7	159,42	3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$	76,3	162,48	75,2	161,05	2,99

12,5)

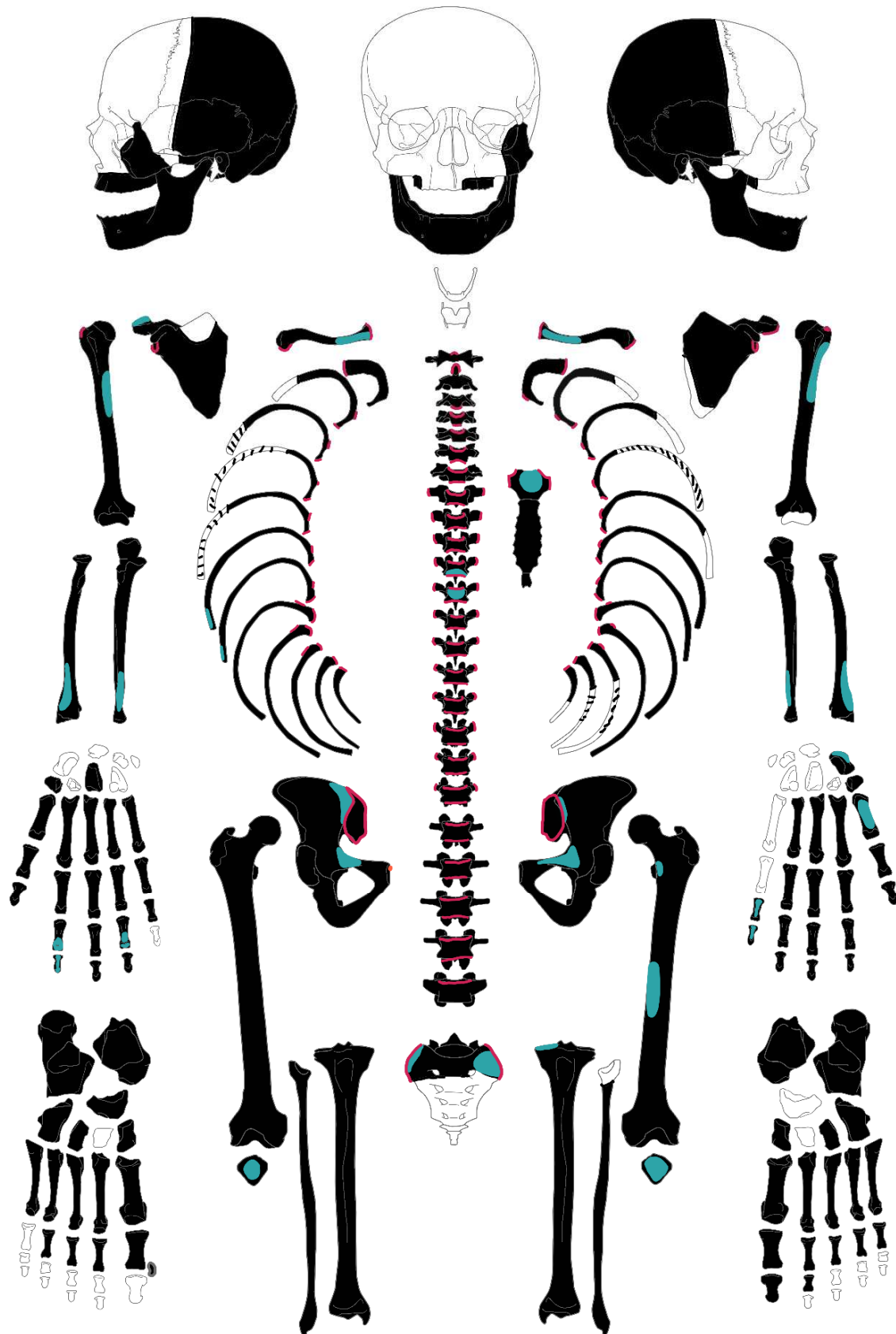
Algemeen	Werkput	5
	Vlak	4
	Spoor	5109
	Type graf	Kist
	Objecten	Kistnagels



Overzichtsfoto individu in situ

Bio ID	Geslacht	M?
	Leeftijd	>35, 44-50
	Lengte	170,41 cm

SKELETAL STATUS

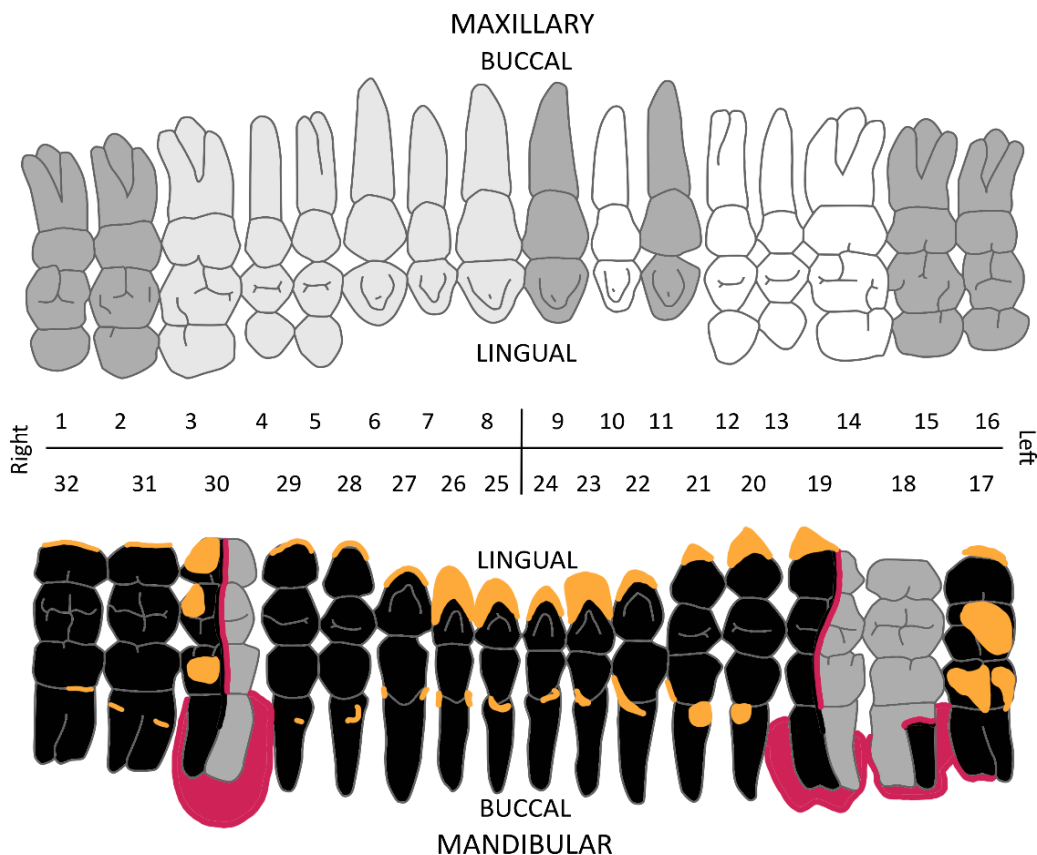


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	M		B	AM	I1	9	
7	I2	M			PM	I2	10	
6	C	M		B	AM	C	11	
5	Pm1	M			PM	Pm1	12	
4	Pm2	M			PM	Pm2	13	
3	M1	M			PM	M1	14	
2	M2	AM	B	B	AM	M2	15	
1	M3	AM	B	B	AM	M3	16	
25	I1	P	Cc++, Pe+++	Cc++, Pe+++	P	I1	24	
26	I2	P	Cc++, Pe+++	Cc++, Pe+++	P	I2	23	
27	C	P	Cc+, Pe+++	Cc++, Pe+++	P	C	22	
28	Pm1	P	Cc+, Pe+++ , buccal ex.	Cc+, Pe+++ , buccal ex.	P	Pm1	21	
29	Pm2	P	Cc+, Pe+++	Cc++, Pe+++	P	Pm2	20	
30	M1	P	Cc++, occl./interpr. Ca (root), periap. Ab, bu	/interpr. Ca (root), periap. Ab, buccal ex.	P	M1	19	
31	M2	P	Cc+, Pe+++	Occl. Ca (root), periap. Ab, Pe+++	P	M2	18	
32	M3	P	Cc+, Pe+++	Cc++, periap. Ab, Pe+++ , buccal ex.	P	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)	160	M	156	M
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)			38,2	M
Humerus	Max length (M>151; M?>149; F?<144; V<140)			151	M
	Vertical head diameter (M>47; F<44.9)	48,5	M	49,9	M
	Epicondylar breadth (M>60.1; F<60.1)	61,9	M		
Femur	Max head diameter (M>48; F<43)			48,5	M
	Epicondylar breadth (M>76; F<74)	75	I	77,8	M
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{27}{19} =$	1,42
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{11}{9} =$	1,22
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{31}{31} =$	1,00

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	/		0	0
Nuchal plane/crest	M?	1	3	3
Parietal & frontal bossing	/		0	0
External occipital protuberance	M?	1	2	2
Frontal inclination	/		0	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M?	1	3	3
Zygomatic process	M	2	3	6
Supraorbital ridge	/		0	0
Zygomatic bone	M	2	2	4
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	M?	1	3	3
Zygomatic process	M	2	3	6
Supraorbital ridge	/		0	0
Zygomatic bone	/		0	0
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	M?	1	3	3
Mental eminence	M?	1	2	2

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M?	1	1	1

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M?	1	1	1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	M	2	3	6
Pubic arc/angle	M	2	2	4
Arc composé	M?	1	2	2
Innominate bone	F?	-1	2	-2
Obturator foramen	M	2	2	4
Ischial body	/		0	0
Iliac crest	I	0	1	0
Iliac fossa	M?	1	1	1
Pelvic inlet (midline)	F?	-1	1	-1

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	M?	1	3	3
Pubic arc/angle	M	2	2	4
Arc composé	M?	1	2	2
Innominate bone	F?	-1	2	-2
Obturator foramen	M	2	2	4
Ischial body	/		0	0
Iliac crest	I	0	1	0
Iliac fossa	M?	1	1	1
Pelvic inlet (midline)	F?	-1	1	-1

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left	44-50	
	Right	44-50	

Pubic symphysis (Todd 1970)	Side	Range
	Left	45,6 (27-66)
	Right	45,6 (27-66)

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)
	closed	>21

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	
	2	Lambda	
	3	Obelion	
	4	Ant. Sagittal	
	5	Bregma	
	6	Midcoronal	
	7	Pterion	
	Composite score		
	Age range		
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>35		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$	32,3	169,93			4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$	45,9	170,65	45,7	170,18	3,27
Tibia	$78,62 + 2,52 \times \text{tib}$	36,5	170,60	36,3	170,10	3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$	82,4	170,41	82	169,89	2,99

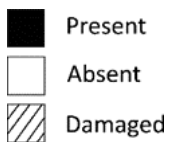
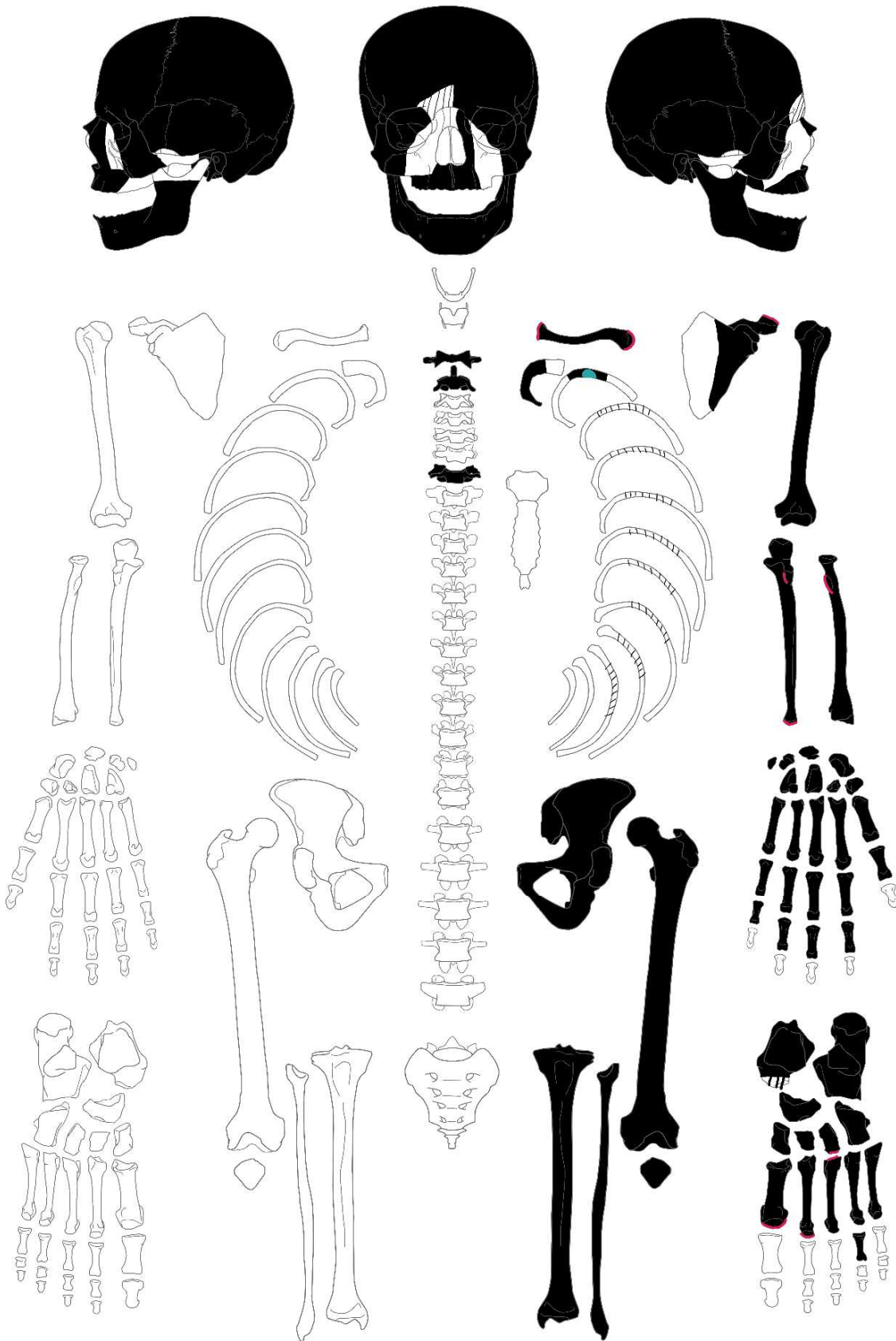
Algemeen	Werkput	5
	Vlak	4
	Spoor	5101
	Type graf	Kist
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	I
	Leeftijd	35-39
	Lengte	170,69 cm

SKELETAL STATUS

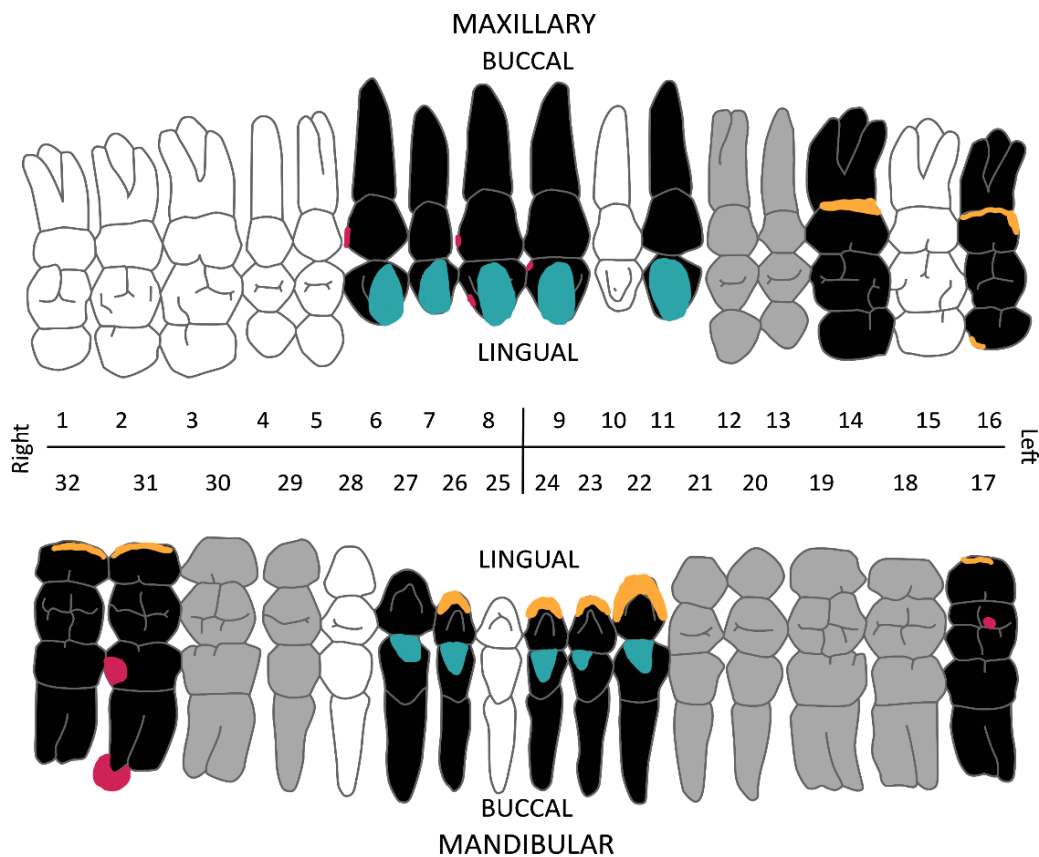


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	P	Dw, interprox. Ca	Dw	P	I1	9	
7	I2	P	Dw, interprox. Ca		PM	I2	10	
6	C	P	Dw, interprox. Ca	Dw	P	C	11	
5	Pm1	M		B	AM	Pm1	12	
4	Pm2	M		B	AM	Pm2	13	
3	M1	M		Cc ++	P	M1	14	
2	M2	M			PM	M2	15	
1	M3	M		Cc +	P	M3	16	
25	I1	PM		Dw, Cc ++	P	I1	24	
26	I2	P	Dw, Cc ++	Dw, Cc ++	P	I2	23	
27	C	P	Dw	Dw, Cc ++	P	C	22	
28	Pm1	PM		B	AM	Pm1	21	
29	Pm2	AM	B	B	AM	Pm2	20	
30	M1	AM	B	B	AM	M1	19	
31	M2	P	Cc +, interprox. Ca, periap. Ab	B	AM	M2	18	
32	M3	P	Cc +	Cc +, occlusal Ca	P	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)	158	M		
Scapula	Max glenoid width (M>29; F<26)	28,1	I		
	Max glenoid length (M>36; F<34)	36,7	M		
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)	46,3	I		
	Epicondylar breadth (M>60.1; F<60.1)	55,5	F		
Femur	Max head diameter (M>48; F<43)	46	I		
	Epicondylar breadth (M>76; F<74)	76,2	M		
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{8}{18} =$	0,44
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{4}{9} =$	0,44
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{-6}{14} =$	-0,43

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M?	1	3	3
Nuchal plane/crest	/		0	0
Parietal & frontal bossing	/		0	0
External occipital protuberance	M	2	2	4
Frontal inclination	F?	-1	1	-1

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	F?	-1	3	-3
Zygomatic process	/		0	0
Supraorbital ridge	M	2	2	4
Zygomatic bone	M?	1	2	2
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	F?	-1	3	-3
Zygomatic process	/		0	0
Supraorbital ridge	/		0	0
Zygomatic bone	M?	1	2	2
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	I	0	3	0
Mental eminence	F?	-1	2	-2

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	M?	1	1	1
Inferior margin	M	2	1	2

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M?	1	1	1
Inferior margin	M	2	1	2

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	F?	-1	3	-3
Greater sciatic notch	F?	-1	3	-3
Pubic arc/angle	/		0	0
Arc composé	F?	-1	2	-2
Innominate bone	/		0	0
Obturator foramen	M?	1	2	2
Ischial body	M?	1	2	2
Iliac crest	F?	-1	1	-1
Iliac fossa	F?	-1	1	-1
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left	21-53, 21-4	8,1, 6,5
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	35-39
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	35-39
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
	2	Transverse org.	
	2	Surface texture	
	2	Microporosity	
	1	Macroporosity	
	2	Apical changes	
	9	Composite score	
	37 (16-65)	Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)
	Closed	>21

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	2
	2	Lambda	1
	3	Obelion	2
	4	Ant. Sagittal	0
	5	Bregma	1
	6	Midcoronal	1
	7	Pterion	0
	Composite score		7
	Age range		30,3-48,5
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>22		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$	33,2	172,71			4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$	44,8	168,03			3,27
Tibia	$78,62 + 2,52 \times \text{tib}$	38,8	176,40			3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$	83,6	171,97			2,99

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$	33,2	169,52			4,45
Radius	$54,93 + 4,74 \times \text{rad}$					4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$					4,3
Femur	$54,10 + 2,47 \times \text{fem}$	44,8	164,76			3,72
Tibia	$61,53 + 2,90 \times \text{tib}$	38,8	174,05			3,66
Fibula	$59,61 + 2,93 \times \text{fib}$					3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$	83,6	169,40			3,55

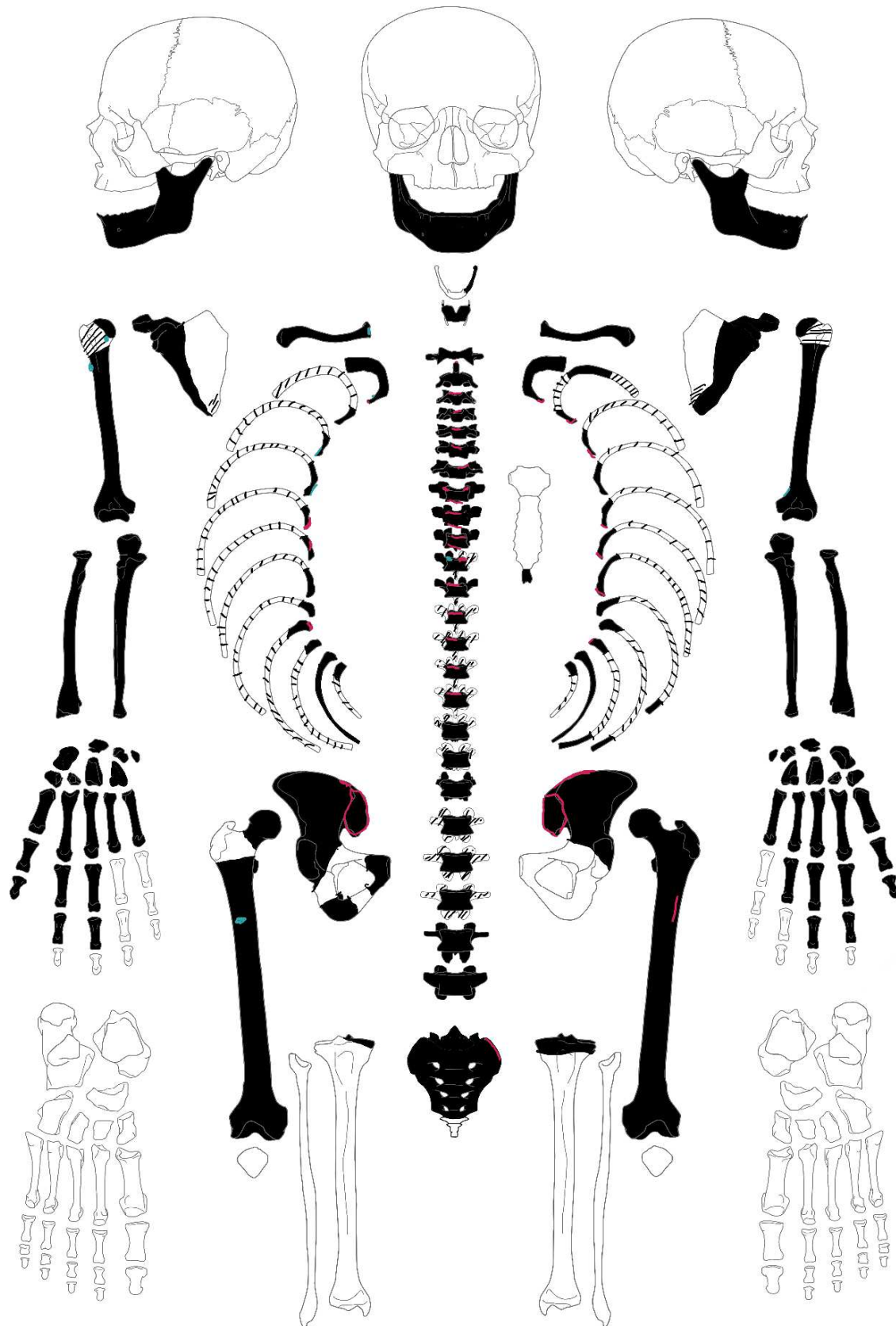
Algemeen	Werkput	5
	Vlak	3
	Spoor	5110
	Type graf	Kist
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	M
	Leeftijd	165,81
	Lengte	165,21

SKELETAL STATUS

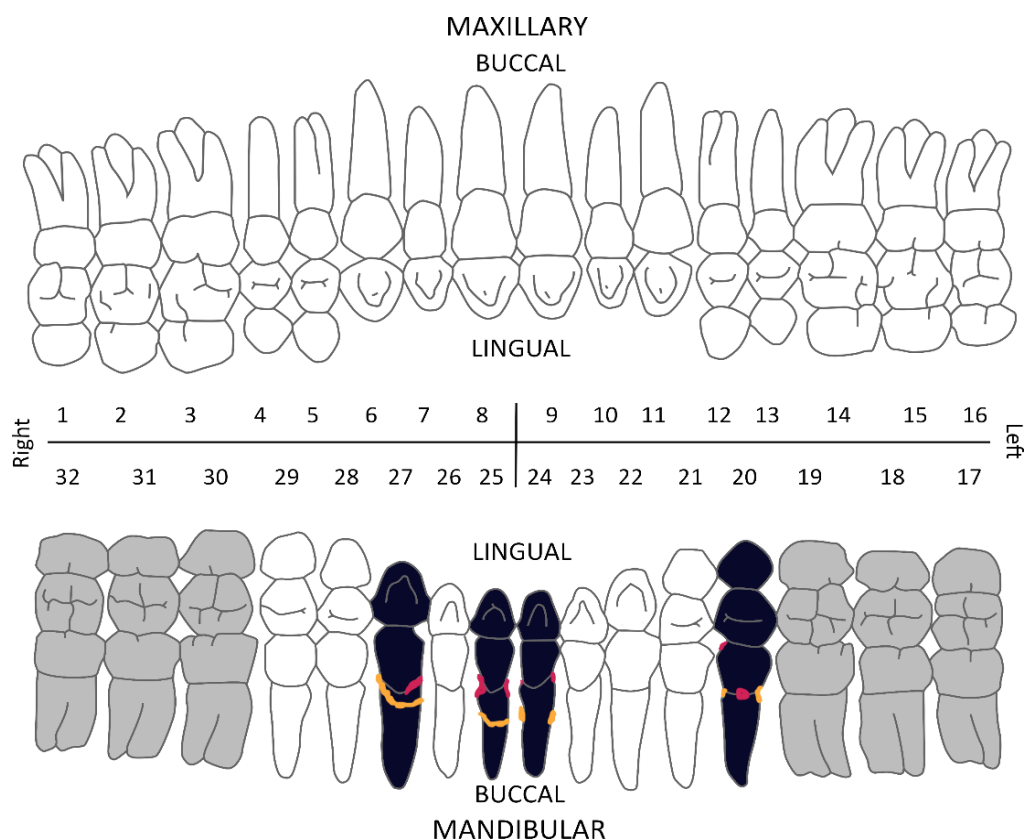


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	M			M	I1	9	
7	I2	M			M	I2	10	
6	C	M			M	C	11	
5	Pm1	M			M	Pm1	12	
4	Pm2	M			M	Pm2	13	
3	M1	M			M	M1	14	
2	M2	M			M	M2	15	
1	M3	M			M	M3	16	
25	I1	P	Interprox. Ca, Cc++, Pe+++	Interprox. Ca, Cc++, Pe+++	P	I1	24	
26	I2	PM			PM	I2	23	
27	C	P	Buccale Ca, Cc+		PM	C	22	
28	Pm1	PM			PM	Pm1	21	
29	Pm2	PM		Buccale Ca, Cc+	P	Pm2	20	
30	M1	AM	B	B	AM	M1	19	
31	M2	AM	B	B	AM	M2	18	
32	M3	AM	B	B	AM	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)	153	M	149	F
Scapula	Max glenoid width (M>29; F<26)	31,5	M		
	Max glenoid length (M>36; F<34)	42,9	M		
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)				
	Epicondylar breadth (M>60.1; F<60.1)	64,6	M	67	M
Femur	Max head diameter (M>48; F<43)	50,2	M	51,2	M
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{0}{33} =$	$\frac{1}{1}$
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{14}{9} =$	1,56
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{34}{22} =$	1,55

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	/		3	0
Nuchal plane/crest	/		3	0
Parietal & frontal bossing	/		2	0
External occipital protuberance	/		2	0
Frontal inclination	/		1	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	/		3	0
Zygomatic process	/		3	0
Supraorbital ridge	/		2	0
Zygomatic bone	/		2	0
Orbit shape & margin	/		1	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	/		3	0
Zygomatic process	/		3	0
Supraorbital ridge	/		2	0
Zygomatic bone	/		2	0
Orbit shape & margin	/		1	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	M	2	3	6
Mental eminence	M	2	2	4

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	M?	1	1	1
Inferior margin	M?	1	1	1

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M?	1	1	1
Inferior margin	M?	1	1	1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	M	2	3	6
Pubic arc/angle	/		0	0
Arc composé	M?	1	2	2
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	M?	1	1	1
Iliac fossa	M?	1	1	1
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	M?	1	3	3
Pubic arc/angle	/		0	0
Arc composé	M?	1	2	2
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	M	2	2	4
Iliac crest	M	2	1	2
Iliac fossa	M?	1	1	1
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	50-59
	Right	50-59

Auricular surface (B & C 2002)	Left	Traits	Right
	5	Transverse org.	5
	5	Surface texture	5
	2	Microporosity	2
	3	Macroporosity	3
	2	Apical changes	2
	17	Composite score	17
	73 (53-92)	Age range	73 (53-92)

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)
	/	

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites	
	1	Midlambdoid /
	2	Lambda /
	3	Obelion /
	4	Ant. Sagittal /
	5	Bregma /
	6	Midcoronal /
	7	Pterion /
	Composite score /	
	Age range /	
	Lateral-anterior sites	
	6	Midcoronal /
	7	Pterion /
	8	Sphenofrontal /
	9	Inf. sphenotemp. /
	10	Sup. sphenotemp. /
	Composite score /	
	Age range /	

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)					
Bone	Site	Open	Partial	Closed	
Skull	Jugular synchondroses	< 34	22-34	> 22	
Scapula	Acromion	< 20	15-20	> 15	
	Medial border	< 23	19-23	> 19	
Clavicle	Medial	< 23	17-30	> 21	
Ribs	Heads	< 21	17-22	> 19	
Sacrum	S1-S2 bodies	< 27	14-30	> 21	
Pelvis	Iliac crest	< 20	14-22	> 18	
Manubrium	1st costal notch	< 23	18-25	> 21	
Sternum	B1-B2	< 25	15-25	> 15	
	B2-B3	< 20	15-20	> 11	
	B3-B4	< 15	11-20	> 4	
	B4-Xiphoid	< 40	-	> 35	
	Skeletal age	> 21			

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$	32	169,01			4,05
Radius	$79,01 + 3,78 \times \text{rad}$			23,6	168,22	4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$	24,5	164,70	24,8	165,81	4,32
Femur	$61,41 + 2,38 \times \text{fem}$					3,27
Tibia	$78,62 + 2,52 \times \text{tib}$					3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$					4,45
Radius	$54,93 + 4,74 \times \text{rad}$					4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$					4,3
Femur	$54,10 + 2,47 \times \text{fem}$					3,72
Tibia	$61,53 + 2,90 \times \text{tib}$					3,66
Fibula	$59,61 + 2,93 \times \text{fib}$					3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$					3,55

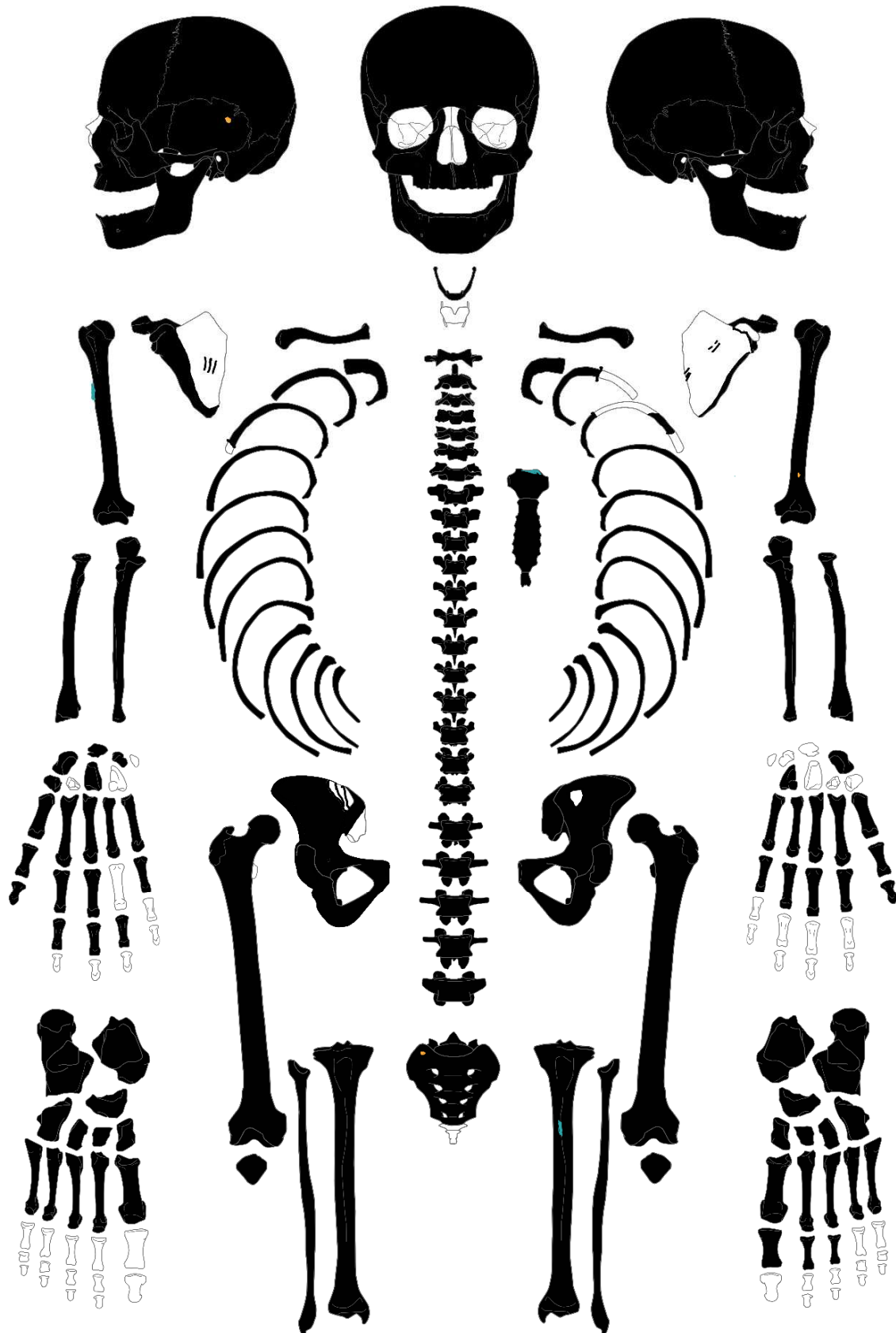
Algemeen	Werkput	5
	Vlak	3
	Spoor	5115
	Type graf	Kist
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	M?
	Leeftijd	25-29
	Lengte	175,22 cm

SKELETAL STATUS

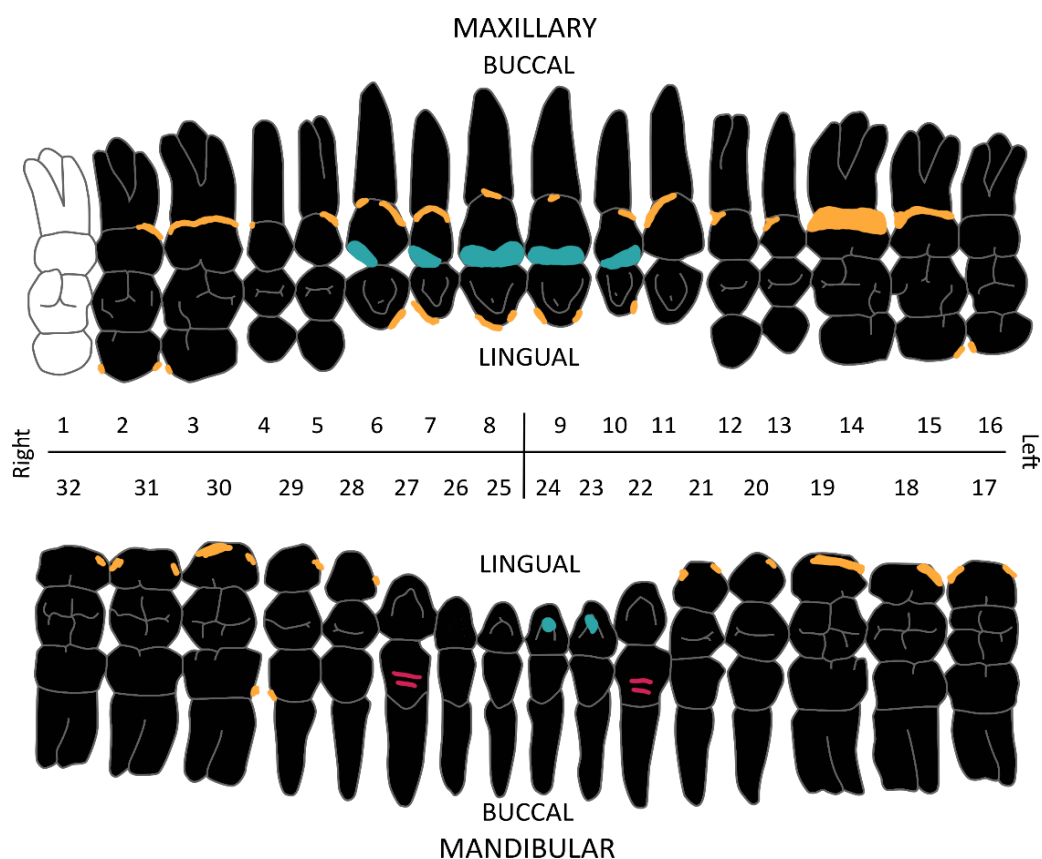


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	P	CC+, DW (onderbeet)	CC+, DW (onderbeet)	P	I1	9	
7	I2	P	CC+, DW (onderbeet)	CC+, DW (onderbeet)	P	I2	10	
6	C	P	CC+, DW (onderbeet)	CC+	P	C	11	
5	Pm1	P	CC+	CC+	P	Pm1	12	
4	Pm2	P	CC+	CC+	P	Pm2	13	
3	M1	P	CC+	CC++	P	M1	14	
2	M2	P	CC+	CC+	P	M2	15	
1	M3	PM		CC+, kleine vorm, één wortel	P	M3	16	
25	I1	P	CC+	DW (onderbeet)	P	I1	24	
26	I2	P	CC+	DW (onderbeet)	P	I2	23	
27	C	P	H	H	P	C	22	
28	Pm1	P	CC+	CC+	P	Pm1	21	
29	Pm2	P	CC+	CC+	P	Pm2	20	
30	M1	P	CC+	CC+	P	M1	19	
31	M2	P	CC+	CC+	P	M2	18	
32	M3	P	CC+	CC+	P	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)	156	M		
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
	Max length (M>151; M?>149; F?<144; V<140)				
Humerus	Vertical head diameter (M>47; F<44.9)			46,8	I
	Epicondylar breadth (M>60.1; F<60.1)	66,4	M	63,6	M
Femur	Max head diameter (M>48; F<43)	55,4	M	53,1	M
	Epicondylar breadth (M>76; F<74)	86,3	M	86,2	M
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{25}{20} =$	1,25
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{11}{9} =$	1,22
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{28}{33} =$	0,85

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M?	1	3	3
Nuchal plane/crest	/		0	0
Parietal & frontal bossing	M?	1	2	2
External occipital protuberance	F?	-1	2	-2
Frontal inclination	M	2	1	2

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	/		0	0
Supraorbital ridge	/		0	0
Zygomatic bone	M	2	2	4
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	/		0	0
Supraorbital ridge	I		2	0
Zygomatic bone	M	2	2	4
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	M?	1	3	3
Mental eminence	M?	1	2	2

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M?	1	1	1

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M?	1	1	1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	I	0	3	0
Pubic arc/angle	I	0	2	0
Arc composé	I	0	2	0
Innominate bone	M	2	2	4
Obturator foramen	M?	1	2	2
Ischial body	/		0	0
Iliac crest	M	2	1	2
Iliac fossa	I	0	1	0
Pelvic inlet (midline)	M	2	1	2

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	I	0	3	0
Pubic arc/angle	I	0	2	0
Arc composé	I	0	2	0
Innominate bone	M	2	2	4
Obturator foramen	I	0	2	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		1	0
Pelvic inlet (midline)	M	2	1	2

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left	27-30	
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	23,4 (19-34)
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	25-29
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
	2	Transverse org.	
	2	Surface texture	
	1	Microporosity	
	1	Macroporosity	
	1	Apical changes	
	7	Composite score	
	27 (21-38)	Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	0
	2	Lambda	0
	3	Obelion	1
	4	Ant. Sagittal	1
	5	Bregma	1
	6	Midcoronal	1
	7	Pterion	0
	Composite score		4
	Age range		34,7 (26,9-40)
	Lateral-anterior sites		
	6	Midcoronal	1
	7	Pterion	0
	8	Sphenofrontal	0
	9	Inf. sphenotemp.	0
	10	Sup. sphenotemp.	0
	Composite score		1
	Age range		32 (23,7-40)

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		21-30		

Opmerking: Xiphoid geeft oudere leeftijd, is dit pathologisch of genetisch?

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$	34,9	177,94	34	175,17	4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$	26,5	172,10	26,2	170,99	4,32
Femur	$61,41 + 2,38 \times \text{fem}$	47,6	174,70	47,9	175,41	3,27
Tibia	$78,62 + 2,52 \times \text{tib}$	38	174,38	38,2	174,88	3,27
Fibula	$71,78 + 2,68 \times \text{fib}$	37,8	173,08			3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$	85,6	174,57	86,1	175,22	2,99

42,5)

),3)

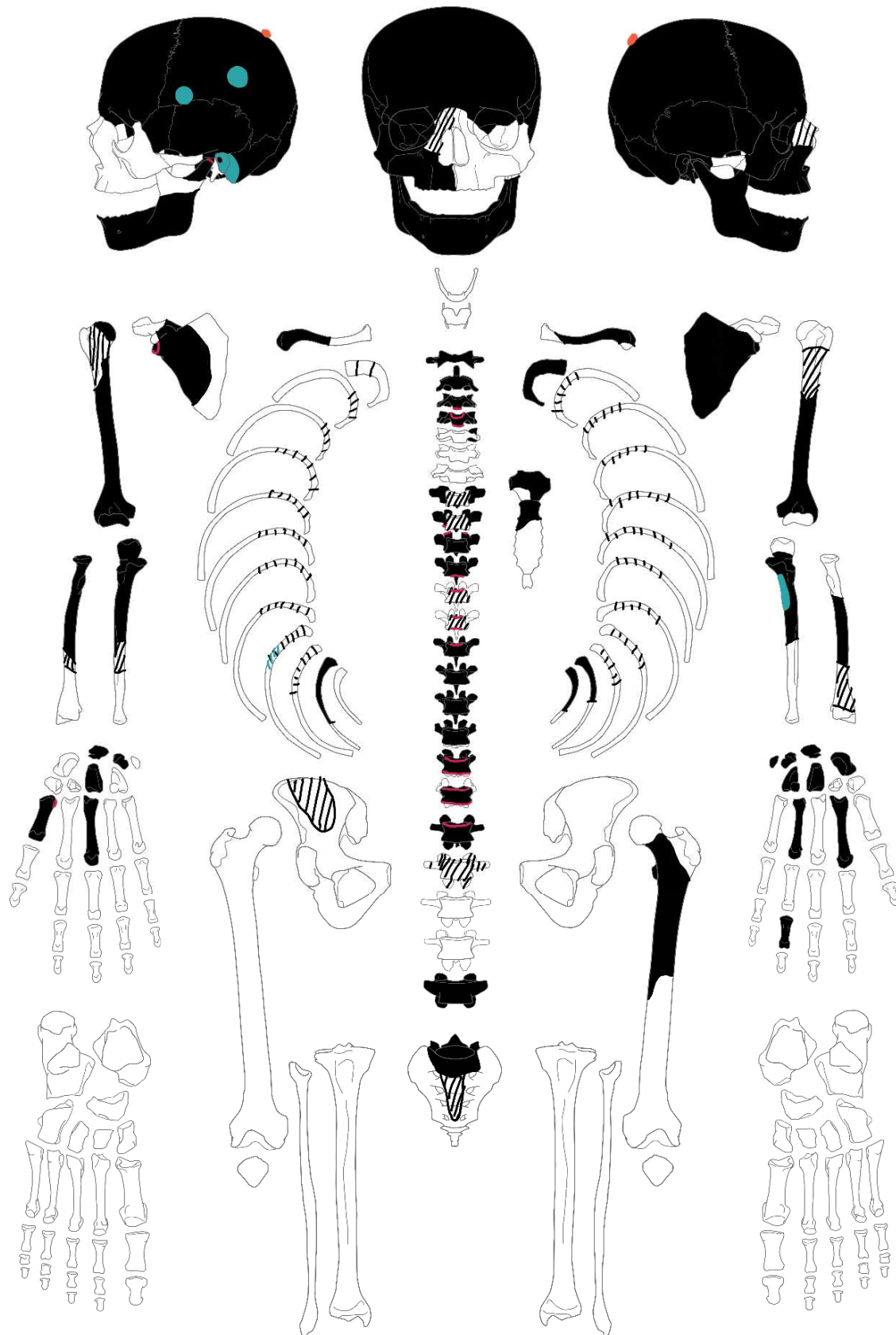
Algemeen	Werkput	5
	Vlak	3
	Spoor	5113
	Type graf	Kist
	Objecten	Kistnagels en kopspeld



Overzichtsfoto individu in situ

Bio ID	Geslacht	F?
	Leeftijd	>22, 38,3-59,3
	Lengte	/

SKELETAL STATUS

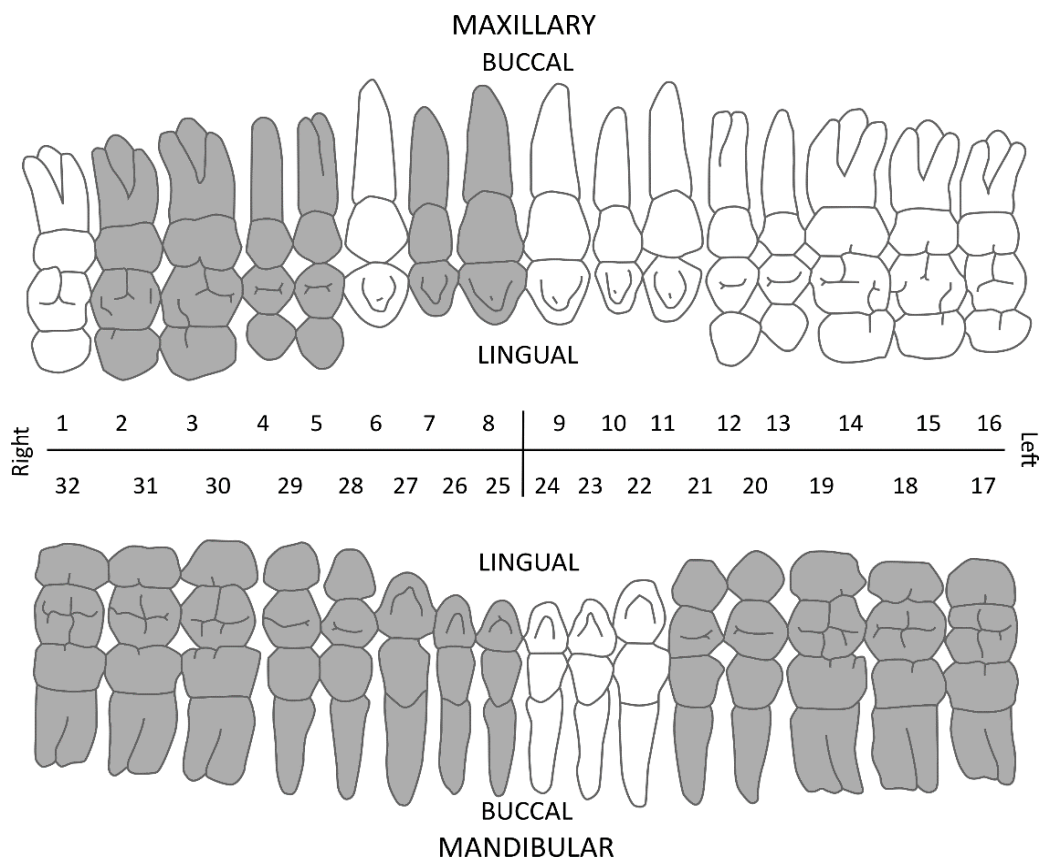


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	AM	B		M	I1	9	
7	I2	AM	B		M	I2	10	
6	C	PM			M	C	11	
5	Pm1	AM	B		M	Pm1	12	
4	Pm2	AM	B		M	Pm2	13	
3	M1	AM	B		M	M1	14	
2	M2	AM	B		M	M2	15	
1	M3	PM			M	M3	16	
25	I1	AM	B		PM	I1	24	
26	I2	AM	B		PM	I2	23	
27	C	AM	B		PM	C	22	
28	Pm1	AM	B	B	AM	Pm1	21	
29	Pm2	AM	B	B	AM	Pm2	20	
30	M1	AM	B	B	AM	M1	19	
31	M2	AM	B	B	AM	M2	18	
32	M3	AM	B	B	AM	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)	25,8	F		
	Max glenoid length (M>36; F<34)	32,1	F		
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)				
	Epicondylar breadth (M>60.1; F<60.1)				
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{-7}{27} =$	-0,26
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{-11}{8} =$	-1,38
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{0}{38} =$	/

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M?	1	3	3
Nuchal plane/crest	F?	-1	3	-3
Parietal & frontal bossing	I	0	2	0
External occipital protuberance	F	-2	2	-4
Frontal inclination	F?	-1	1	-1

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M?	1	3	3
Zygomatic process	/		0	0
Supraorbital ridge	F?	-1	2	-2
Zygomatic bone	/		0	0
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	M?	1	3	3
Zygomatic process	F?	-1	3	-3
Supraorbital ridge	F?	-1	2	-2
Zygomatic bone	F?	-1	2	-2
Orbit shape & margin	M?	1	1	1

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	F	-2	3	-6
Mental eminence	F	-2	2	-4

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	/		0	0
Inferior margin	F?	-1	1	-1

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M?	1	1	1
Inferior margin	F?	-1	1	-1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus			3	0
Greater sciatic notch			3	0
Pubic arc/angle			2	0
Arc composé			2	0
Innominate bone			2	0
Obturator foramen			2	0
Ischial body			2	0
Iliac crest			1	0
Iliac fossa			1	0
Pelvic inlet (midline)			1	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	2
	2	Lambda	3
	3	Obelion	3
	4	Ant. Sagittal	3
	5	Bregma	3
	6	Midcoronal	3
	7	Pterion	1
	Composite score		18
	Age range		38,3-59,3
	Lateral-anterior sites		
	6	Midcoronal	3
	7	Pterion	1
	8	Sphenofrontal	2
	9	Inf. sphenotemp.	0
	10	Sup. sphenotemp.	0
	Composite score		6
	Age range		32,7-54,1

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>22		

STATURE

FEMALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$57,97 + 3,36 \times \text{hum}$					4,45
Radius	$54,93 + 4,74 \times \text{rad}$					4,24
Ulna	$57,76 + 4,27 \times \text{ulna}$					4,3
Femur	$54,10 + 2,47 \times \text{fem}$					3,72
Tibia	$61,53 + 2,90 \times \text{tib}$					3,66
Fibula	$59,61 + 2,93 \times \text{fib}$					3,57
Femur + tibia	$53,2 + 1,39 \times (\text{fem} + \text{tib})$					3,55

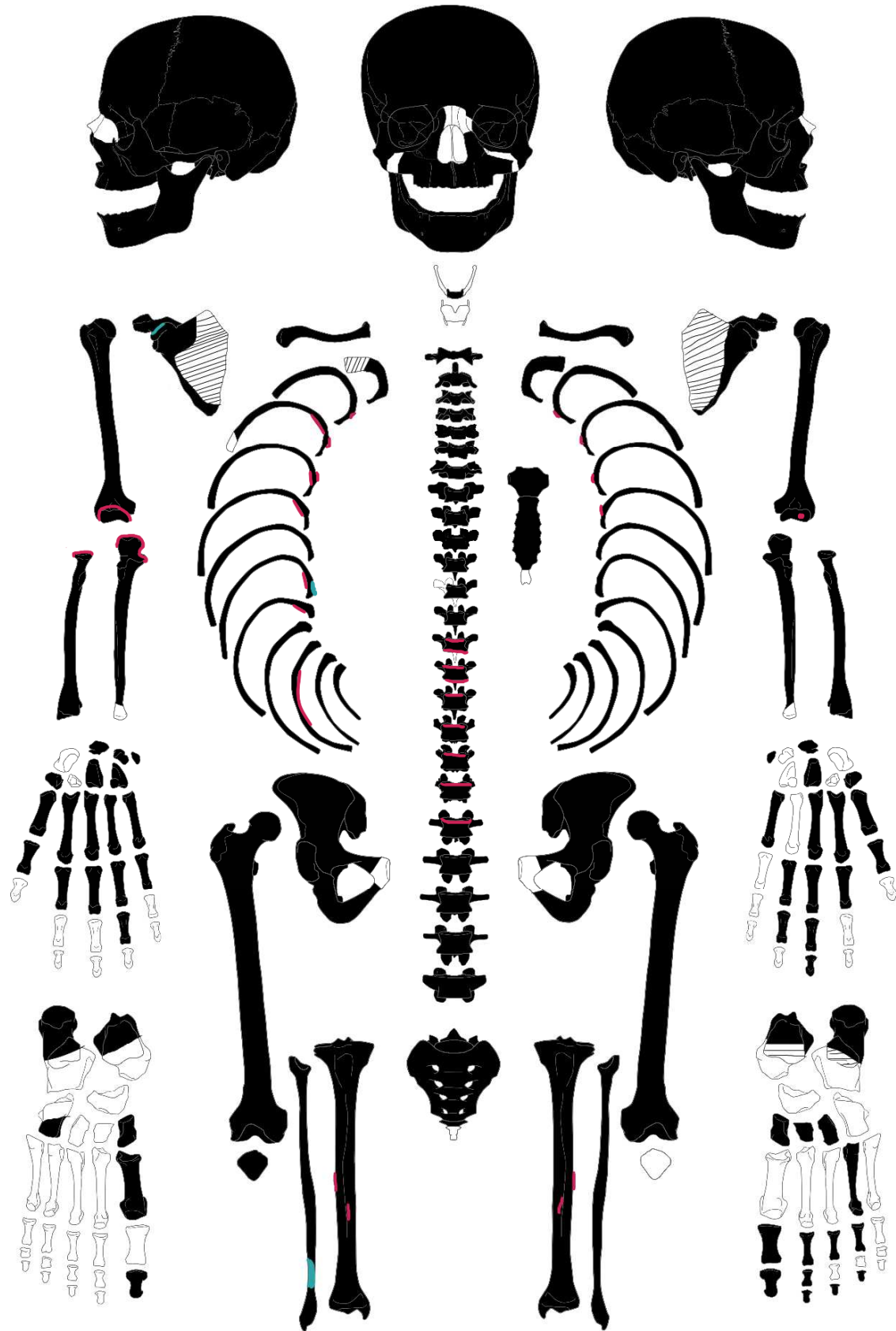
Algemeen	Werkput	5
	Vlak	3
	Spoor	5117
	Type graf	Kist
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	M
	Leeftijd	>22, 35-39
	Lengte	171,97 cm

SKELETAL STATUS

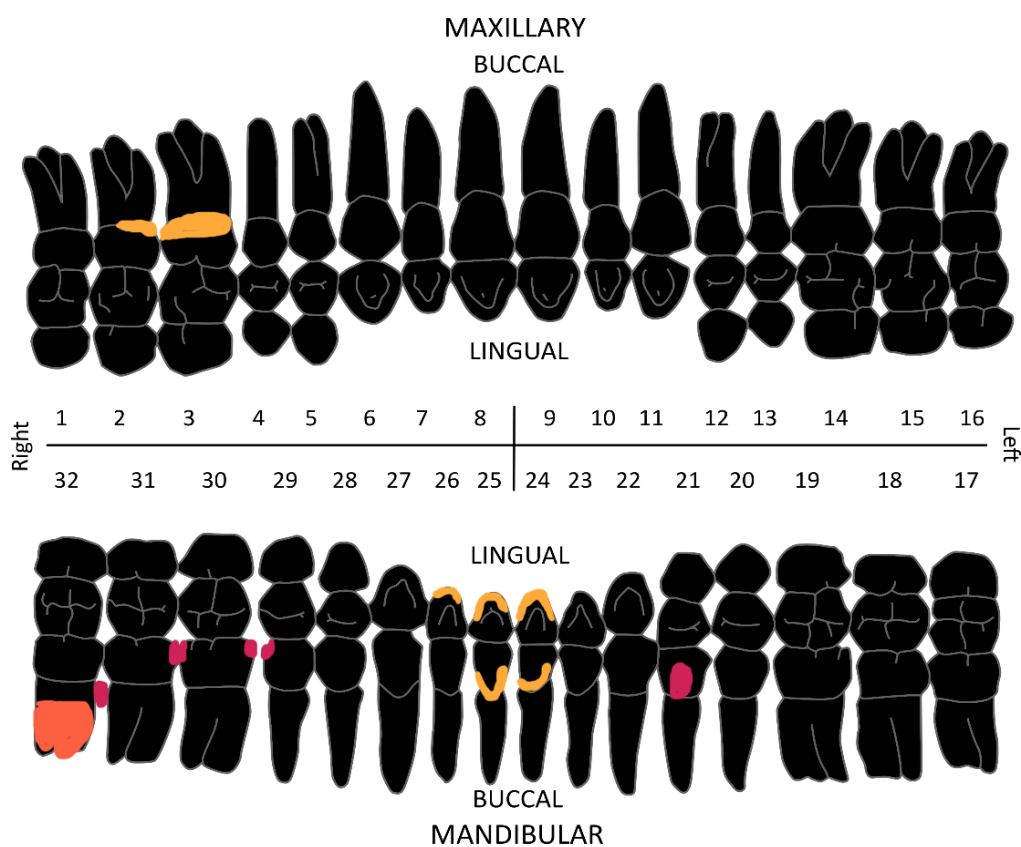


DENTAL STATUS

MAXILLA							
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.
8	I1	P			P	I1	9
7	I2	P			P	I2	10
6	C	P			P	C	11
5	Pm1	P			P	Pm1	12
4	Pm2	P			P	Pm2	13
3	M1	P	Cc ++		P	M1	14
2	M2	P	Cc +		P	M2	15
1	M3	P			P	M3	16
25	I1	P	Cc ++	Cc ++	P	I1	24
26	I2	P	Cc ++		P	I2	23
27	C	P			P	C	22
28	Pm1	P		linguale Ca	P	Pm1	21
29	Pm2	P	Interprox. Ca		P	Pm2	20
30	M1	P	Interprox. Ca		P	M1	19
31	M2	P	Interprox. Ca		P	M2	18
32	M3	P	Hc, periodontal Ab		P	M3	17
MANDIBLE							

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; Pe = periodontitis; Hc = Hypercementosis



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)	147	I	149	I
Scapula	Max glenoid width (M>29; F<26)			> 31,5	M
	Max glenoid length (M>36; F<34)			45,2	M
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)	48,3	M	49,3	M
	Epicondylar breadth (M>60.1; F<60.1)	63,7	M		
Femur	Max head diameter (M>48; F<43)	54,8	M	52,6	M
	Epicondylar breadth (M>76; F<74)	84,8	M		
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{53}{31} =$	1,71
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{12}{9} =$	1,3
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{32}{21} =$	1,5

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M	2	3	6
Nuchal plane/crest	M	2	3	6
Parietal & frontal bossing	M	2	2	4
External occipital protuberance	I	0	2	0
Frontal inclination	M?	1	1	1

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	M	2	3	6
Supraorbital ridge	M?	1	2	2
Zygomatic bone	M	2	2	4
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	M	2	3	6
Supraorbital ridge	M?	1	2	2
Zygomatic bone	M	2	2	4
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	M	2	3	6
Mental eminence	M?	1	2	2

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	M?	1	1	1
Inferior margin	M?	1	1	1

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M?	1	1	1
Inferior margin	M?	1	1	1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	M	2	2	4
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	M?	1	2	2
Iliac crest	M	2	1	2
Iliac fossa	M	2	1	2
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	I	0	3	0
Pubic arc/angle	/		0	0
Arc composé	M	2	2	4
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	M?	1	2	2
Iliac crest	M	2	1	2
Iliac fossa	M	2	1	2
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	35-39
	Right	35-39

Auricular surface (B & C 2002)	Left	Traits	Right
	5	Transverse org.	5
	3	Surface texture	3
	3	Microporosity	3
	1	Macroporosity	1
	2	Apical changes	2
	14	Composite score	14
	62 (29-88)	Age range	62 (29-88)

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)
	Closed	> 21

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	1
	2	Lambda	0
	3	Obelion	2
	4	Ant. Sagittal	1
	5	Bregma	0
	6	Midcoronal	0
	7	Pterion	1
	Composite score		5
	Age range		29,9-42,5
	Lateral-anterior sites		
	6	Midcoronal	0
	7	Pterion	1
	8	Sphenofrontal	1
	9	Inf. sphenotemp.	0
	10	Sup. sphenotemp.	0
	Composite score		2
	Age range		30-42,5

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>22		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$	33,2	172,71	33,4	173,32	4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$	46,8	172,79	46,4	171,84	3,27
Tibia	$78,62 + 2,52 \times \text{tib}$	36,8	171,36	37,2	172,36	3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$	83,6	171,97	83,6	171,97	2,99

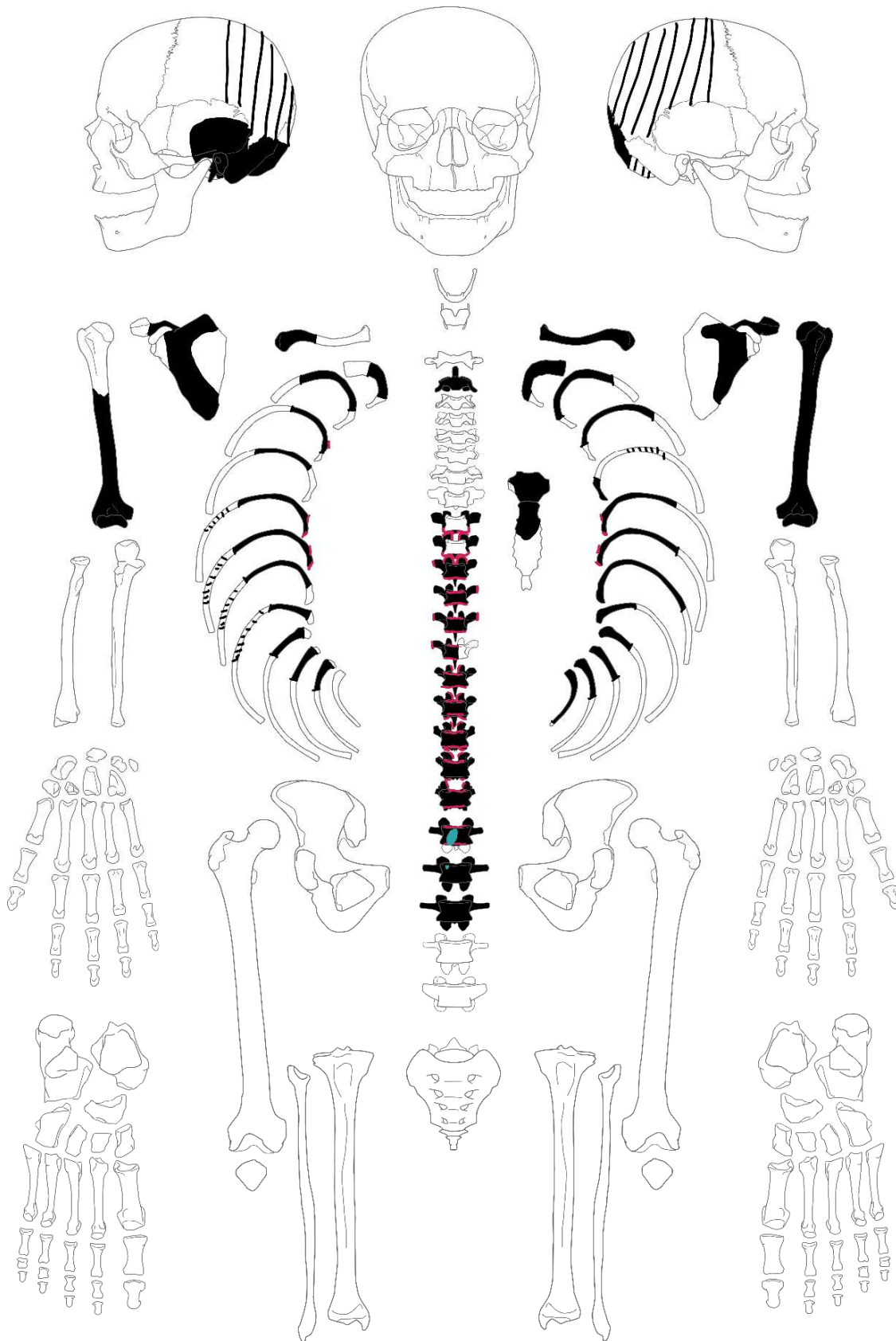
Algemeen	Werkput	5
	Vlak	3
	Spoor	5121
	Type graf	Kist
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	M?
	Leeftijd	>22
	Lengte	170,86 cm

SKELETAL STATUS

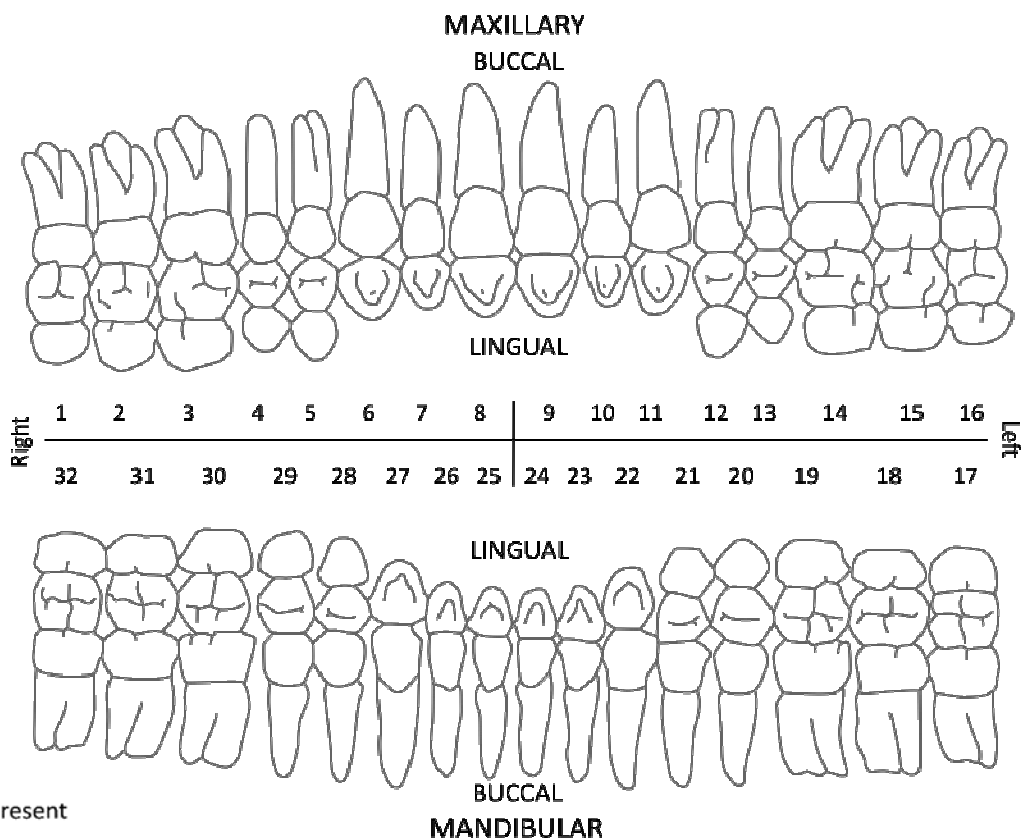


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	M			M	I1	9	
7	I2	M			M	I2	10	
6	C	M			M	C	11	
5	Pm1	M			M	Pm1	12	
4	Pm2	M			M	Pm2	13	
3	M1	M			M	M1	14	
2	M2	M			M	M2	15	
1	M3	M			M	M3	16	
25	I1	M			M	I1	24	
26	I2	M			M	I2	23	
27	C	M			M	C	22	
28	Pm1	M			M	Pm1	21	
29	Pm2	M			M	Pm2	20	
30	M1	M			M	M1	19	
31	M2	M			M	M2	18	
32	M3	M			M	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)	161	M		
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)				
	Epicondylar breadth (M>60.1; F<60.1)	64,6	M	66	M
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{16}{8} =$	2
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{0}{0} =$	#####
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{0}{0} =$	#####

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	/		0	0
Nuchal plane/crest	M	2	3	6
Parietal & frontal bossing	/		0	0
External occipital protuberance	M	2	2	4
Frontal inclination	/		0	0

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	/		0	0
Supraorbital ridge	/		0	0
Zygomatic bone	/		0	0
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	/		0	0
Zygomatic process	/		0	0
Supraorbital ridge	/		0	0
Zygomatic bone	/		0	0
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	/		0	0
Mental eminence	/		0	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	/		0	0
Inferior margin	/		0	0

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	/		0	0
Inferior margin	/		0	0

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	
	2	Lambda	
	3	Obelion	
	4	Ant. Sagittal	
	5	Bregma	
	6	Midcoronal	
	7	Pterion	
	Composite score		
	Age range		
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>22		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$	32,6	170,86			4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$					3,27
Tibia	$78,62 + 2,52 \times \text{tib}$					3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$					2,99

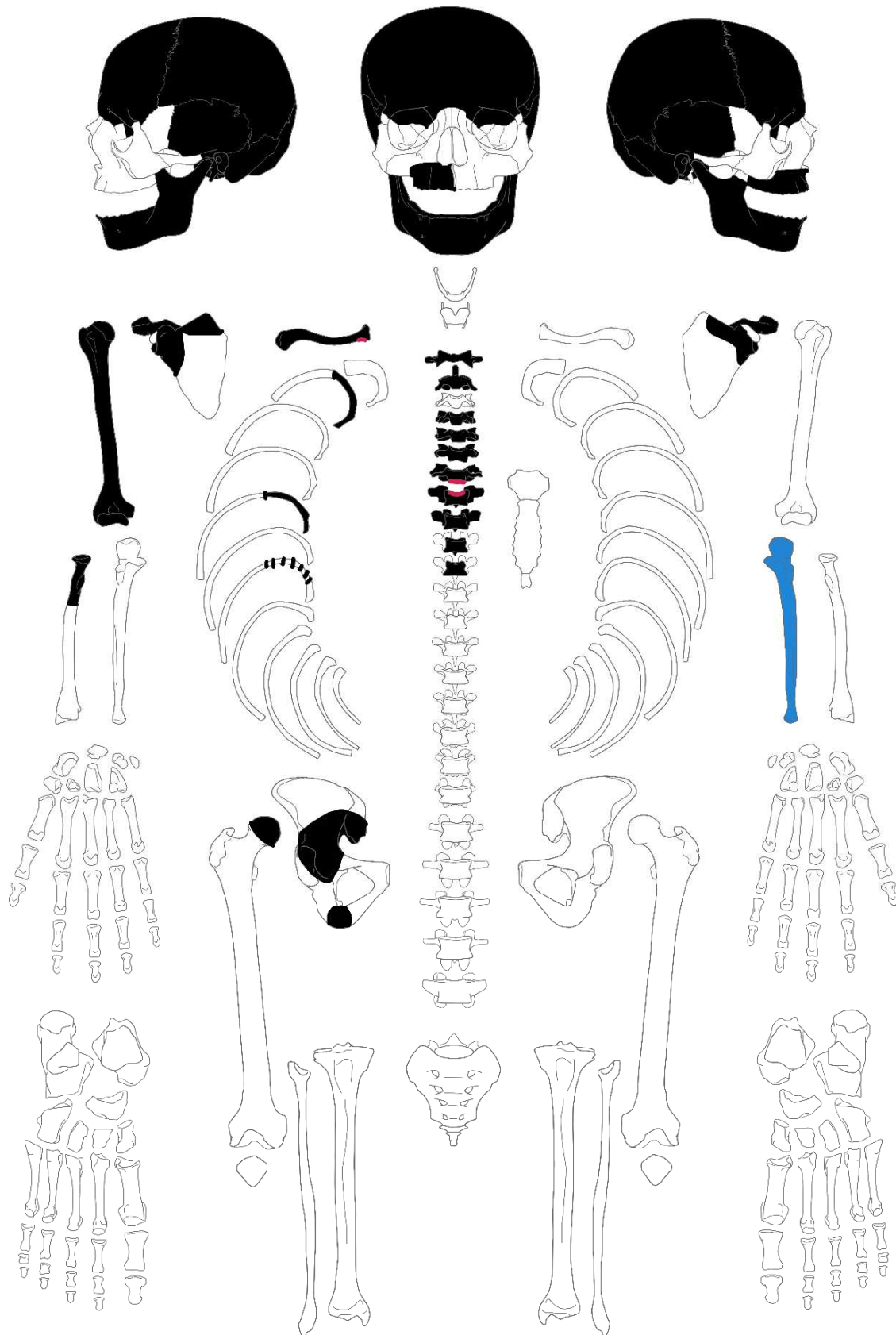
Algemeen	Werkput	5
	Vlak	4
	Spoor	5118
	Type graf	?
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	M?
	Leeftijd	40-44
	Lengte	168,09

SKELETAL STATUS



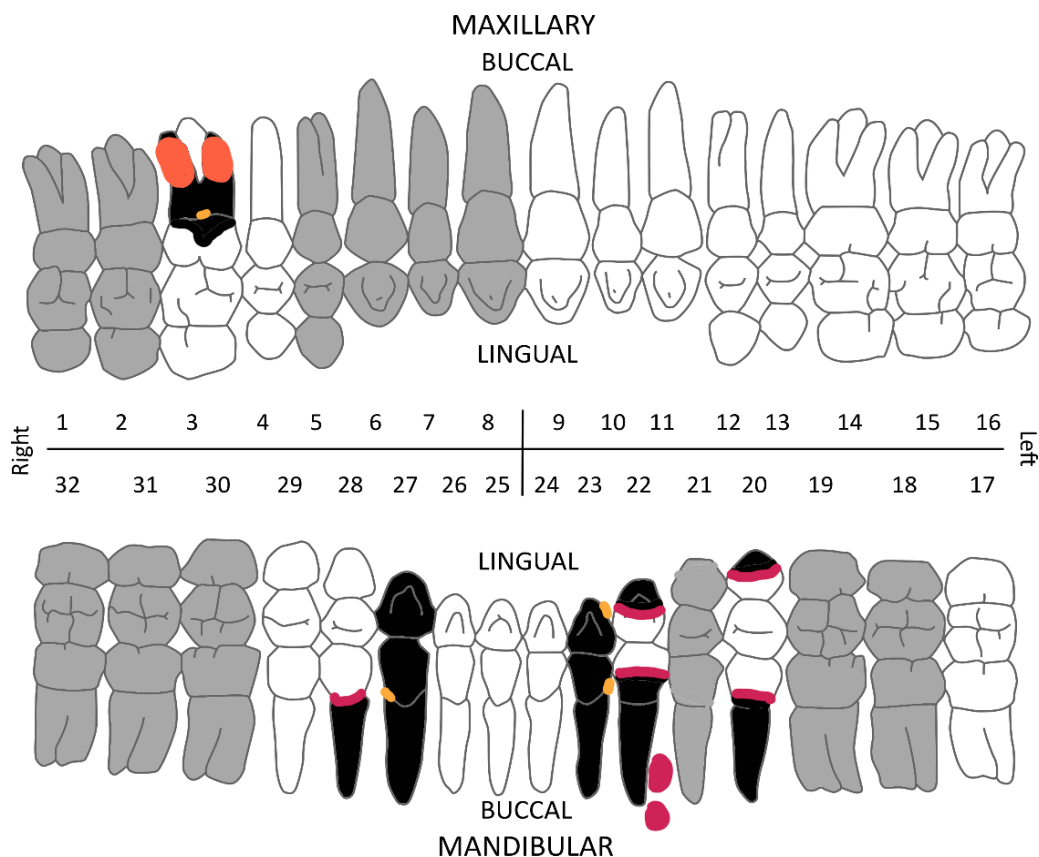
Opmerking: blauw indiceert een losse ulna

DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	AM	B		M	I1	9	
7	I2	AM	B		M	I2	10	
6	C	AM	B		M	C	11	
5	Pm1	AM	B		M	Pm1	12	
4	Pm2	PM			M	Pm2	13	
3	M1	P	Hc, Cc+, Dw		M	M1	14	
2	M2	AM	B		M	M2	15	
1	M3	AM	B		M	M3	16	
25	I1	PM			PM	I1	24	
26	I2	PM		Cc+	P	I2	23	
27	C	P	Cc+	Occl. Ca (root), 2 periap. Ab	P	C	22	
28	Pm1	P	Occl. Ca (root)	B	AM	Pm1	21	
29	Pm2	PM		Occl. Ca (root)	P	Pm2	20	
30	M1	AM	B	B	AM	M1	19	
31	M2	AM	B	B	AM	M2	18	
32	M3	AM	B		PM	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)			26,3	I
	Max glenoid length (M>36; F<34)			36,5	M
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)			42,9	F
	Epicondylar breadth (M>60.1; F<60.1)			61,2	M
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{19}{21} =$	0,90
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{11}{9} =$	1,22
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{6}{9} =$	0,67

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M?	1	3	3
Nuchal plane/crest	M?	1	3	3
Parietal & frontal bossing	F?	-1	2	-2
External occipital protuberance	M?	1	2	2
Frontal inclination	F	-2	1	-2

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M?	1	3	3
Zygomatic process	/		0	0
Supraorbital ridge	M	2	2	4
Zygomatic bone	/		0	0
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	/		0	0
Supraorbital ridge	M?	1	2	2
Zygomatic bone	/		0	0
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	M?	1	3	3
Mental eminence	I	0	2	0

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M	2	1	2

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M	2	1	2

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	I	0	3	0
Greater sciatic notch	M?	1	3	3
Pubic arc/angle	/		0	0
Arc composé	M?	1	2	2
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	M?	1	1	1
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	/
	Right	40-44

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	5
		Surface texture	4
		Microporosity	2
		Macroporosity	1
		Apical changes	1
		Composite score	13
		Age range	62(29-88)

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	2
	2	Lambda	2
	3	Obelion	2
	4	Ant. Sagittal	1
	5	Bregma	2
	6	Midcoronal	2
	7	Pterion	1
	Composite score		12
	Age range		32,6-57,8
	Lateral-anterior sites		
	6	Midcoronal	2
	7	Pterion	1
	8	Sphenofrontal	1
	9	Inf. sphenotemp.	0
	10	Sup. sphenotemp.	0
	Composite score		4
	Age range		31,1-51,1

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>22		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$		70,45	31,7	168,09	4,05
Radius	$79,01 + 3,78 \times \text{rad}$		79,01		79,01	4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$		74,05		74,05	4,32
Femur	$61,41 + 2,38 \times \text{fem}$		61,41		61,41	3,27
Tibia	$78,62 + 2,52 \times \text{tib}$		78,62		78,62	3,27
Fibula	$71,78 + 2,68 \times \text{fib}$		71,78		71,78	3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$	0	63,29	0	63,29	2,99

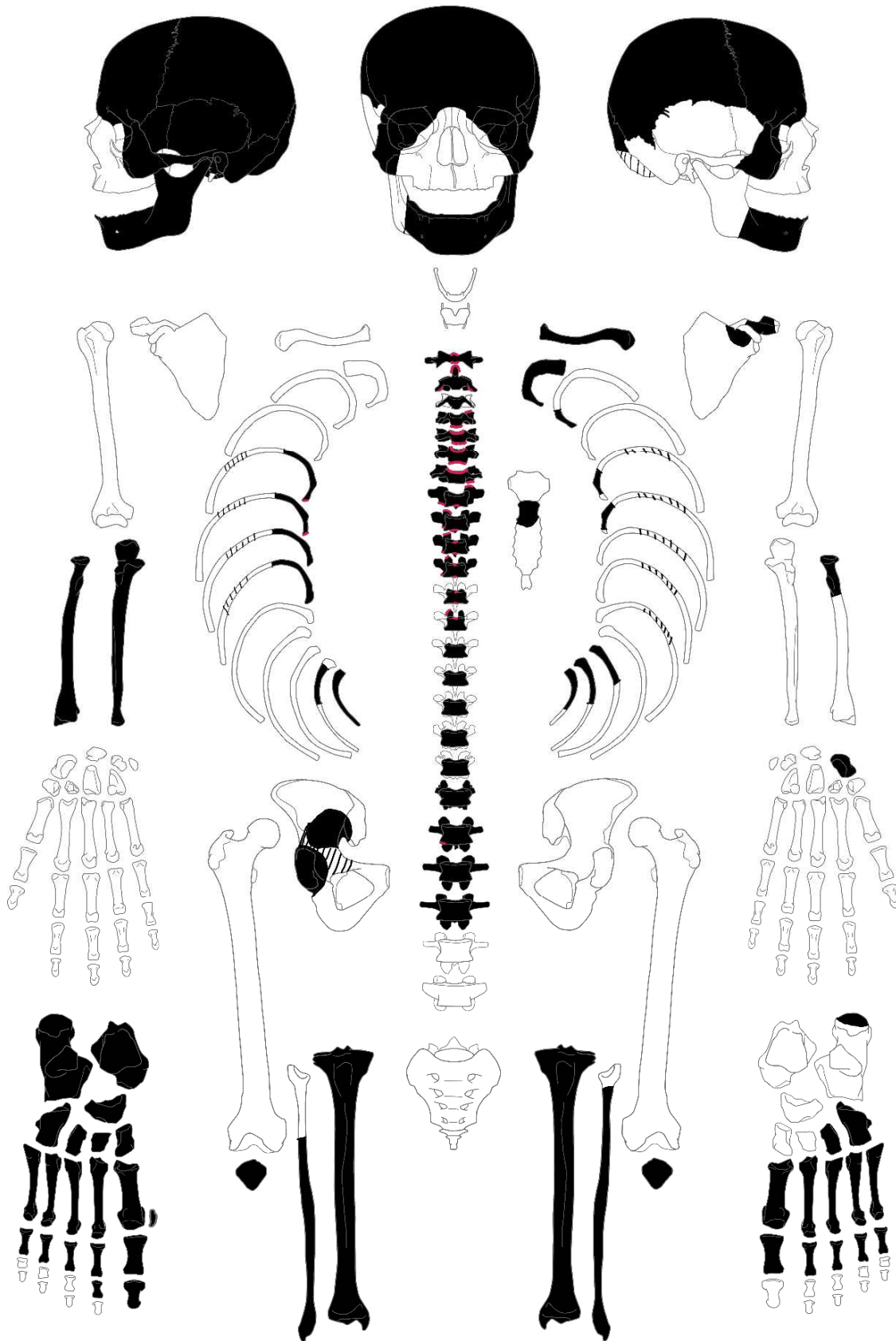
Algemeen	Werkput	5
	Vlak	4
	Spoor	5125
	Type graf	Kist
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	M?
	Leeftijd	>22, 30,3-48,5
	Lengte	176,40 cm

SKELETAL STATUS

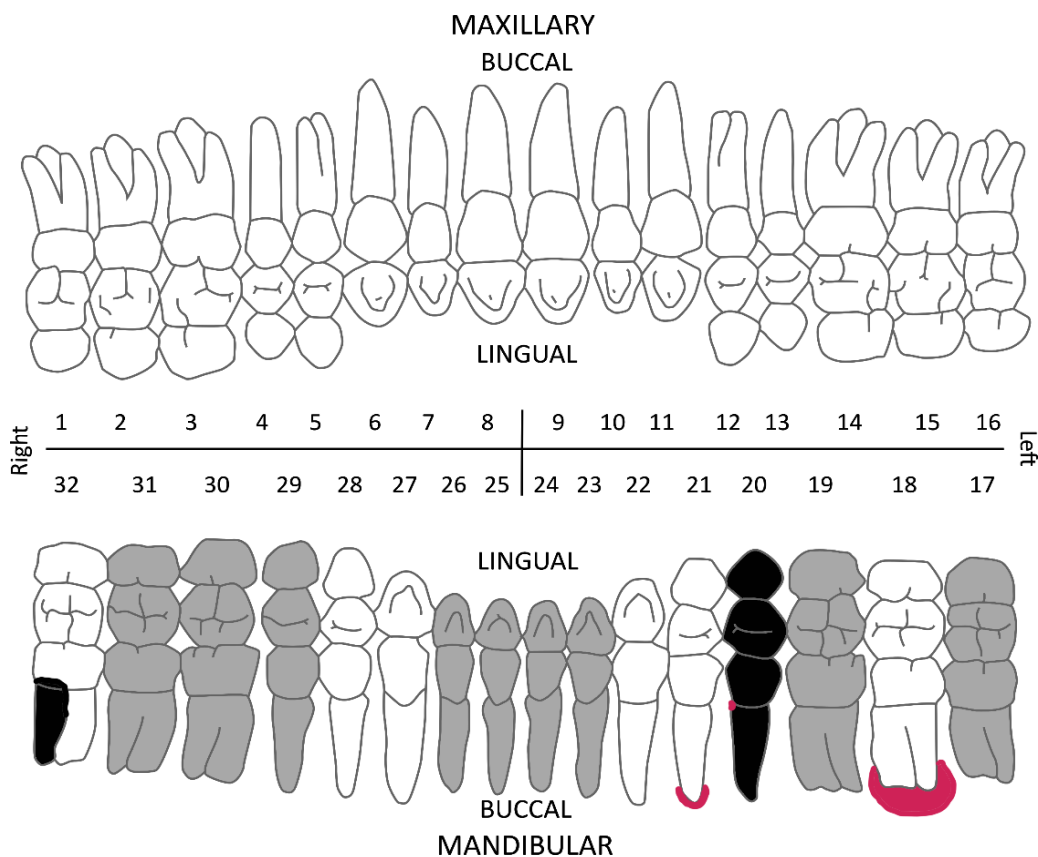


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	M			M	I1	9	
7	I2	M			M	I2	10	
6	C	M			M	C	11	
5	Pm1	M			M	Pm1	12	
4	Pm2	M			M	Pm2	13	
3	M1	M			M	M1	14	
2	M2	M			M	M2	15	
1	M3	M			M	M3	16	
25	I1	AM	B	B	AM	I1	24	
26	I2	AM	B	B	AM	I2	23	
27	C	PM			PM	C	22	
28	Pm1	PM		periapical abcess	PM?	Pm1	21	
29	Pm2	AM	B	interproximal Ca (enamel)	P	Pm2	20	
30	M1	AM	B	B	AM	M1	19	
31	M2	AM	B	periapical abcess	PM?	M2	18	
32	M3	P	DW	B	AM	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)				
	Max glenoid length (M>36; F<34)				
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)				
	Epicondylar breadth (M>60.1; F<60.1)				
Femur	Max head diameter (M>48; F<43)				
	Epicondylar breadth (M>76; F<74)				
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{35}{18} =$	1,94
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{2}{8} =$	0,25
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{0}{0} =$	#####

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M	2	3	6
Nuchal plane/crest	/		0	0
Parietal & frontal bossing	M	2	2	4
External occipital protuberance	/		0	0
Frontal inclination	M?	1	1	1

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	M	2	3	6
Supraorbital ridge	M	2	2	4
Zygomatic bone	/		0	0
Orbit shape & margin	/		0	0

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	/		0	0
Zygomatic process	/		0	0
Supraorbital ridge	M	2	2	4
Zygomatic bone	M	2	2	4
Orbit shape & margin	/		0	0

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	I	0	3	0
Mental eminence	M?	1	2	2

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	F	-2	1	-2
Inferior margin	M?	1	1	1

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	/		0	0
Inferior margin	M?	1	1	1

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	/		0	0
Greater sciatic notch	/		0	0
Pubic arc/angle	/		0	0
Arc composé	/		0	0
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	/		0	0
Iliac crest	/		0	0
Iliac fossa	/		0	0
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
		Transverse org.	
		Surface texture	
		Microporosity	
		Macroporosity	
		Apical changes	
		Composite score	
		Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	1
	2	Lambda	1
	3	Obelion	2
	4	Ant. Sagittal	2
	5	Bregma	2
	6	Midcoronal	1
	7	Pterion	0
	Composite score		9
	Age range		30,3-48,5
	Lateral-anterior sites		
	6	Midcoronal	
	7	Pterion	
	8	Sphenofrontal	
	9	Inf. sphenotemp.	
	10	Sup. sphenotemp.	
	Composite score		
	Age range		

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>22		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$					4,05
Radius	$79,01 + 3,78 \times \text{rad}$					4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$					3,27
Tibia	$78,62 + 2,52 \times \text{tib}$			38,8	176,40	3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$			38,8	113,73	2,99

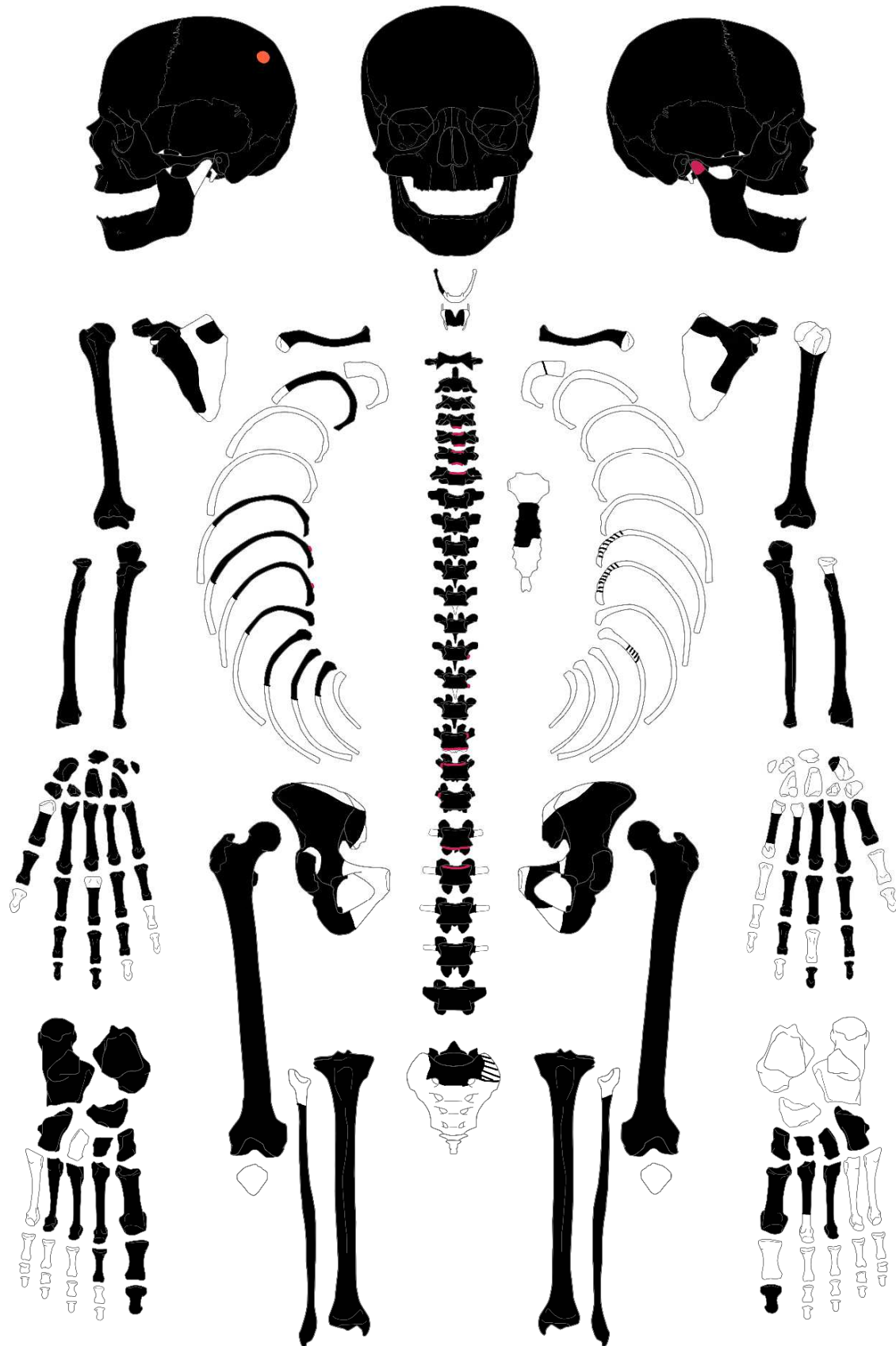
Algemeen	Werkput	1
	Vlak	4
	Spoor	/
	Type graf	Kist
	Objecten	/



Overzichtsfoto individu in situ

Bio ID	Geslacht	M
	Leeftijd	40-4
	Lengte	170,41

SKELETAL STATUS

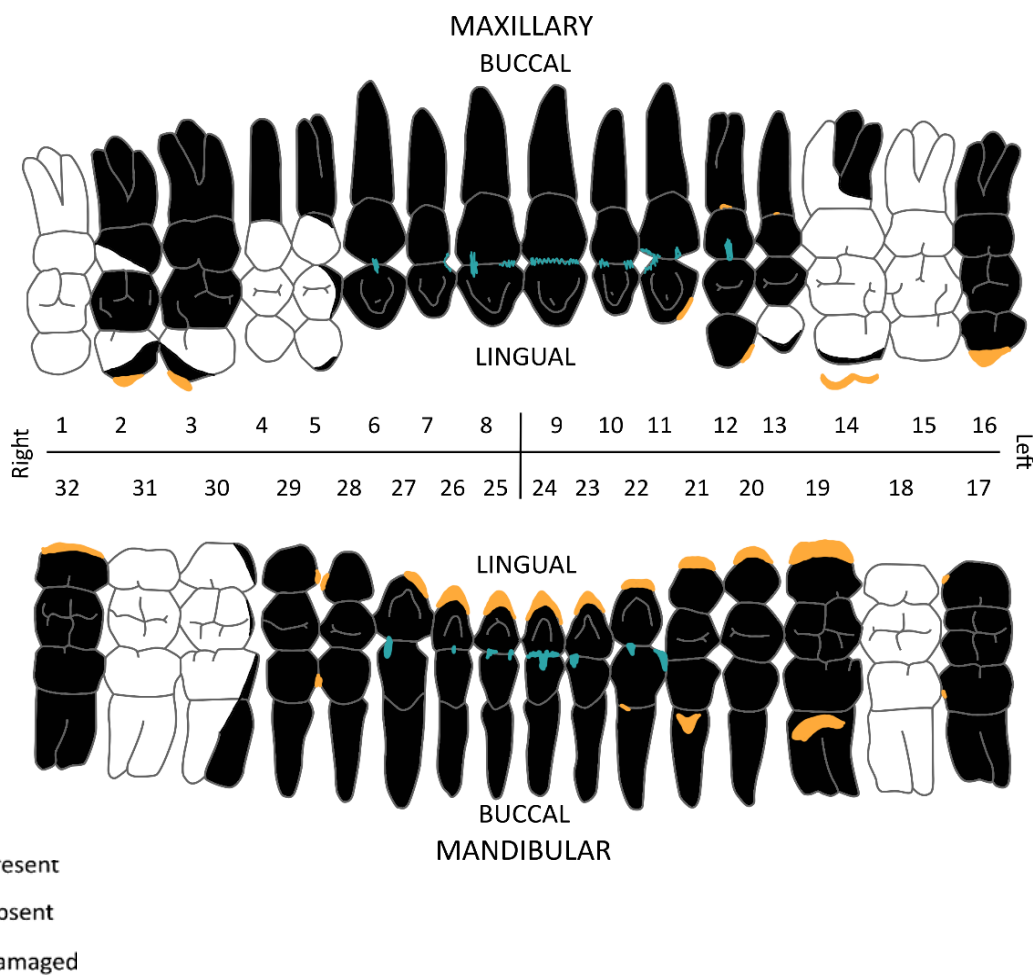


DENTAL STATUS

MAXILLA								
Nr.	Tooth	Status	Remarks	Remarks	Status	Tooth	Nr.	
8	I1	P	P++, F	F, P++	P	I1	9	
7	I2	P	P++	F, P++	P	I2	10	
6	C	P	P++	F, P++	P	C	11	
5	Pm1	P	P++	F, Cc+, P++	P	Pm1	12	
4	Pm2	P	P++	Cc++, P++	P	Pm2	13	
3	M1	P	P+++, Cc+	Cc++, P+++	P	M1	14	
2	M2	P	P+++, Cc+	P++	AM	M2	15	
1	M3	C		Cc++, P+++	P	M3	16	
25	I1	AM	P++, F, Cc++	P++, F, Cc++	AM	I1	24	
26	I2	AM	P++, F, Cc++	P++, F, Cc++	AM	I2	23	
27	C	PM	P++, F, Cc++	P++, F, Cc++	PM	C	22	
28	Pm1	PM	P++, Cc+	P+++, Cc++	PM?	Pm1	21	
29	Pm2	AM	P++, Cc+	P++, Cc++	P	Pm2	20	
30	M1	AM	P++	P+++, Cc++	AM	M1	19	
31	M2	AM	P++	P++	PM?	M2	18	
32	M3	P	P+++, Cc++	P++, Cc+	AM	M3	17	
MANDIBLE								

Status: P = Present; AM = Antemortem loss; PM = Postmortem loss; M = Missing; E = Erupting; U = Unerupted; C = Congenitally absent

Remarks: Cc = Calculus; Ca = Caries; Ab = abscess; H = enamel hypoplasia; B = Bone loss; Pe = periodontitis; Pn = Pipe notch



SEX ESTIMATION

METRIC TRAITS

Measurements (Bass 2005)		Left		Right	
		mm	Sex	mm	Sex
Clavicle	Max length (M>150; F<138)				
Scapula	Max glenoid width (M>29; F<26)			29,1	M
	Max glenoid length (M>36; F<34)	40,6	M	41	M
Humerus	Max length (M>151; M?>149; F?<144; V<140)				
	Vertical head diameter (M>47; F<44.9)			48,6	M
	Epicondylar breadth (M>60.1; F<60.1)	61,9	M	63,8	M
Femur	Max head diameter (M>48; F<43)	50,6	M	50,4	M
	Epicondylar breadth (M>76; F<74)	86	M	87,3	M
Os coxae	Ischiopubic index (M = 52-71; F = 68 - 91)				

NON-METRIC TRAITS

WEA cranium	$\frac{\sum Wx}{\sum W}$	$\frac{47}{33} =$	1,42
WEA mandible	$\frac{\sum Wx}{\sum W}$	$\frac{16}{9} =$	1,777778
WEA os coxae	$\frac{\sum Wx}{\sum W}$	$\frac{36}{23} =$	1,565217

Cranial trait (midline)	Letter	Number	Weight	no x weight
Glabella	M?	1	3	3
Nuchal plane/crest	M?	1	3	3
Parietal & frontal bossing	M	2	2	4
External occipital protuberance	I	0	2	0
Frontal inclination	F?	-1	1	-1

Cranial trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	M	2	3	6
Supraorbital ridge	M	2	2	4
Zygomatic bone	M?	1	2	2
Orbit shape & margin	M?	1	1	1

Cranial trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Mastoid process	M	2	3	6
Zygomatic process	M	2	3	6
Supraorbital ridge	M	2	2	4
Zygomatic bone	M?	1	2	2
Orbit shape & margin	M?	1	1	1

Mandible trait (midline)	Letter	Number	Weight	no x weight
Total aspect	M?	2	3	6
Mental eminence	M?	1	2	2

Mandible trait (bilateral)	LEFT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M	2	1	2

Mandible trait (bilateral)	RIGHT			
	Letter	Number	Weight	no x weight
Gonial angle	M	2	1	2
Inferior margin	M	2	1	2

Pelvic trait	LEFT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	M	2	3	6
Pubic arc/angle	/		0	0
Arc composé	M?	1	2	2
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	M	2	2	4
Iliac crest	M	2	1	2
Iliac fossa	M?	1	1	1
Pelvic inlet (midline)	/		0	0

Pelvic trait	RIGHT			
	Letter	Number	Weight	no x weight
Pre-auricular sulcus	M	2	3	6
Greater sciatic notch	M	2	3	6
Pubic arc/angle	/		0	0
Arc composé	F?	-1	2	-2
Innominate bone	/		0	0
Obturator foramen	/		0	0
Ischial body	M	2	2	4
Iliac crest	/		0	0
Iliac fossa	M?	1	1	1
Pelvic inlet (midline)	/		0	0

AGE ESTIMATION

Pubic symphysis (Suchey & Brooks 1990)	Side	Range	S.D.
	Left		
	Right		

Pubic symphysis (Todd 1970)	Side	Range
	Left	
	Right	

Auricular surface (Lovejoy et al. 1985)	Side	Range
	Left	40-44
	Right	

Auricular surface (B & C 2002)	Left	Traits	Right
	3	Transverse org.	
	4	Surface texture	
	3	Microporosity	
	1	Macroporosity	
	2	Apical changes	
	13	Composite score	
	29-88	Age range	

Third molar root mineralisation (Brickely & McKinley 2004)	apex	age (17-25)
	closed	>21

Cranial suture closure (Meindle & Lovejoy 1985)	Vault sites		
	1	Midlambdoid	1
	2	Lambda	2
	3	Obelion	2
	4	Ant. Sagittal	2
	5	Bregma	2
	6	Midcoronal	2
	7	Pterion	3
	Composite score		14
	Age range		32,6-57,8
	Lateral-anterior sites		
	6	Midcoronal	2
	7	Pterion	3
	8	Sphenofrontal	2
	9	Inf. sphenotemp.	1
	10	Sup. sphenotemp.	1
	Composite score		9
	Age range		39,4-64,4

Late skeletal fusion (Maat & Mastwijk 1995, Scheuer and Black 2000, Shaefer et al. 2009)				
Bone	Site	Open	Partial	Closed
Skull	Jugular synchondroses	< 34	22-34	> 22
Scapula	Acromion	< 20	15-20	> 15
	Medial border	< 23	19-23	> 19
Clavicle	Medial	< 23	17-30	> 21
Ribs	Heads	< 21	17-22	> 19
Sacrum	S1-S2 bodies	< 27	14-30	> 21
Pelvis	Iliac crest	< 20	14-22	> 18
Manubrium	1st costal notch	< 23	18-25	> 21
Sternum	B1-B2	< 25	15-25	> 15
	B2-B3	< 20	15-20	> 11
	B3-B4	< 15	11-20	> 4
	B4-Xiphoid	< 40	-	> 35
Skeletal age		>22		

STATURE

MALE STATURE (Trotter 1970)						
Bone	Formula	cm L	Length L	cm R	Length R	S.D.
Humerus	$70,45 + 3,08 \times \text{hum}$			32,7	171,17	4,05
Radius	$79,01 + 3,78 \times \text{rad}$			24,5	171,62	4,32
Ulna	$74,05 + 3,70 \times \text{ulna}$					4,32
Femur	$61,41 + 2,38 \times \text{fem}$	46	170,89	45,7	170,18	3,27
Tibia	$78,62 + 2,52 \times \text{tib}$	36,4	170,35	36,1	169,59	3,27
Fibula	$71,78 + 2,68 \times \text{fib}$					3,29
Femur + tibia	$63,29 + 1,3 \times (\text{fem} + \text{tib})$	82,4	170,41	81,8	169,63	2,99