

University of Dundee

DOCTOR OF PHILOSOPHY

An anthropological investigation into the facial preservation of ceremonial tsantsa and commercial shrunken heads

Houlton, Tobias

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Appendix 7

Nose morphology (shrunken head collection)

Table A7-1 (set 1): Recordings for nasal morphology, taken of each shrunken head using manual inspection, IRR and UVF.

| Head ID | Processor origin | General nose shape | Nasal root | Alae shape | Alae fold | Nostril shape | Fingernail impressions |
|-----------|------------------|--------------------------|-----------------------|-------------|--|-------------------------|------------------------|
| A95789 | Ceremonial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Distinct: oval-pointed. | Alae. |
| A121104 | Ceremonial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | Alae. |
| A642550 | Ceremonial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | |
| A642560 | Ceremonial | Short, wide & rounded. | Low. | Flaring. | Weak | Distinct: oval-pointed. | R ala. |
| E165119B0 | Ceremonial | Short, wide & rounded. | Low. | Slight. | Distinct. | Distinct: oval-pointed. | Nasal tip & alae. |
| E403395-0 | Ceremonial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Distinct: oval-pointed. | Nasal tip & alae. |
| A38099 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | Alae. |
| A61492 | Commercial | Long, wide & pointed. | Low. | Slight. | Uncertain - distortion from pitch and modelling. | Oval-rectangular. | |
| A63428 | Commercial | Long, narrow & pointed. | High - straight nose. | Flaring. | Distinct. | Round-pointed. | |
| A63429 | Commercial | Short, narrow & pointed. | Low. | Slight. | L Distinct / R Weak. | Oval-pointed. | |
| A68229 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | R ala. |
| A68231 | Commercial | Short, wide & rounded. | Low. | Slight. | Distinct. | Oval-pointed. | R ala. |
| A97275 | Commercial | Long, narrow & pointed. | High - straight nose. | Slight. | Weak | Narrow oval. | |
| A102935 | Commercial | Long, narrow & pointed. | High - straight nose. | Compressed. | Weak | Narrow oval. | |

| Head ID | Processor origin | General nose shape | Nasal root | Alae shape | Alae fold | Nostril shape | Fingernail impressions |
|----------------|------------------|--------------------------|-----------------------|-------------|----------------------|----------------|------------------------|
| A109084 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | |
| A119820 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | L ala. |
| A130409 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Oval-pointed. | Alae. |
| A190320 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | |
| A221683 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Oval-pointed. | Nasal tip & R ala. |
| A230414 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | |
| A642477 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | |
| A642549 | Commercial | Long, narrow & pointed. | High - straight nose. | Compressed. | Weak | Narrow oval. | |
| A642556 | Commercial | Short, narrow & pointed. | Low. | Compressed. | Weak | Narrow oval. | |
| A642557 | Commercial | Short, wide & rounded. | Low. | Flaring. | Weak | Round-pointed. | |
| A642564 | Commercial | Short, wide & rounded. | Low. | Flaring. | Weak | Round. | |
| A642565 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | |
| 378202 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | |
| CONTROL 400206 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | |
| E326930-0 | Commercial | Short, narrow & pointed. | Low. | Slight. | L Weak / R Distinct. | Oval-pointed. | |
| E358641-0 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | |
| E358642-0 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | |
| E378203-0 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | |
| E378892 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | |
| E382592-0 | Commercial | Short, narrow & pointed. | Low. | Slight. | Weak | Narrow oval. | |
| E387845-0 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | |
| E397131-0 | Commercial | Long, narrow & pointed. | High - hooked nose. | Compressed. | Distinct. | Narrow oval. | |
| E411333-0 | Commercial | Short, wide & rounded. | Low. | Flaring. | L Weak / R Distinct. | Oval. | R ala. |
| N387872-0 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | |

| Head ID | Processor origin | General nose shape | Nasal root | Alae shape | Alae fold | Nostril shape | Fingernail impressions |
|-----------|------------------|--|-----------------------|------------|--|-------------------------|------------------------|
| P387657-0 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round. | |
| P387659-0 | Commercial | Short, narrow nasal bridge, wide & rounded nasal base. | Low. | Flaring. | Distinct. | Round-pointed. | |
| P387660-0 | Commercial | Long, narrow & pointed. | High - straight nose. | Slight. | Uncertain - distortion from pitch and modelling. | Narrow oval. | |
| P387661-0 | Commercial | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | |
| A36675 | Ambiguous | Short, narrow & pointed. | Low. | Slight. | L Distinct / R Weak. | Distinct: oval-pointed. | L ala. |
| A41122 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | L Weak / R Distinct. | Distinct: oval-pointed. | Nasal tip. |
| A44058 | Ambiguous | Short, wide & rounded. | Low. | Slight. | Weak | Distinct: oval-pointed. | |
| A95788 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Round-pointed. | Nasal tip & alae. |
| A121091 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Distinct: oval-pointed. | |
| A155039 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Distinct: oval-pointed. | |
| A161722 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Distinct: oval-pointed. | |
| A191643 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Distinct: oval-pointed. | Nasal tip & R ala. |
| A233681 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Oval-pointed. | Alae. |
| A642548 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Oval-pointed. | Nasal tip. |
| A642551 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Oval-pointed. | R ala. |
| A642552 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Oval-pointed. | Nasal tip & alae. |
| A642553 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Distinct: oval-pointed. | R ala. |
| A642554 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | |
| A642555 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Distinct: oval-pointed. | Nasal tip & alae. |
| A642558 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Oval-pointed. | L ala. |
| A642559 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Distinct: oval-pointed. | Nasal tip & alae. |
| A642561 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Distinct: oval-pointed. | |
| A642562 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Round-pointed. | Nasal tip. |
| A642563 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Oval-pointed. | |

| Head ID | Processor origin | General nose shape | Nasal root | Alae shape | Alae fold | Nostril shape | Fingernail impressions |
|-----------|------------------|------------------------|------------|------------|-----------|-------------------------|------------------------|
| E039500 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Distinct: oval-pointed. | Nasal tip & alae. |
| E315111-0 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Weak | Oval-pointed. | Nasal tip & L ala. |
| Elgin1 | Ambiguous | Short, wide & rounded. | Low. | Flaring. | Distinct. | Distinct: oval-pointed. | Nasal tip & alae. |

Table A7-1 (set 2): Observations related to nasal morphology, taken of each shrunken head using manual inspection, IRR and UVF.

| Head ID | Processor origin | Bifid/Non-bifid | Evident remodelling pattern | Nasal hair | Other |
|-----------|------------------|--|--|---------------------------|---------------------------|
| A95789 | Ceremonial | Bifid - weak (likely chonta pin distortion). | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A121104 | Ceremonial | Non-bifid. | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A642550 | Ceremonial | Bifid - weak (likely chonta pin distortion). | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A642560 | Ceremonial | Non-bifid. | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| E165119B0 | Ceremonial | Non-bifid. | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| E403395-0 | Ceremonial | Non-bifid. | Spread & upturned nasal base - strong. | Removed. | |
| A38099 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed. | |
| A61492 | Commercial | Non-bifid. | Weak upturn of nasal base. | Removed. | Pitch modelled over nose. |
| A63428 | Commercial | Non-bifid. | Distinct pinch of nasal bridge. Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | Caucasoid appearance [?]. |
| A63429 | Commercial | Non-bifid. | Pinch of nasal bridge. Weak upturn of nasal base. | Removed (few weak hairs). | |
| A68229 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |
| A68231 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |

| Head ID | Processor origin | Bifid/Non-bifid | Remodelling pattern | Nasal hair | Other |
|----------------|------------------|--|--|---------------------------|---------------------------|
| A97275 | Commercial | Non-bifid. | Weak upturn of nasal base. | Removed (few weak hairs). | Caucasoid appearance [?]. |
| A102935 | Commercial | Non-bifid. | Distinct pinch of nasal bridge. Weak upturn of nasal base. | Removed (few weak hairs). | Caucasoid appearance [?]. |
| A109084 | Commercial | Non-bifid. | Spread & upturned nasal base - strong. | Profuse. | |
| A119820 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |
| A130409 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Present. | |
| A190320 | Commercial | Non-bifid. | Spread & upturned nasal base - strong. | Removed. | |
| A221683 | Commercial | Non-bifid. | Spread & upturned nasal base - strong. | Profuse. | |
| A230414 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed. | |
| A642477 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Profuse. | |
| A642549 | Commercial | Bifid - weak (potential modelling distortion). | Distinct pinch of nasal bridge. Weak upturn of nasal base. | Removed. | Caucasoid appearance [?]. |
| A642556 | Commercial | Non-bifid. | Distinct pinch of nasal bridge. Weak upturn of nasal base. | Present. | Caucasoid appearance [?]. |
| A642557 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Profuse. | |
| A642564 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |
| A642565 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed. | |
| 378202 | Commercial | Bifid (potential modelling distortion). | Spread & upturned nasal base - weak [natural/modelled?]. | Profuse. | |
| CONTROL 400206 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Profuse. | |
| E326930-0 | Commercial | Non-bifid. | Distinct pinch of nasal bridge. Weak upturn of nasal base. | Present. | Caucasoid appearance [?]. |

| Head ID | Processor origin | Bifid/Non-bifid | Remodelling pattern | Nasal hair | Other |
|-----------|------------------|--|--|-------------------------------------|---|
| E358641-0 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |
| E358642-0 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Present. | |
| E378203-0 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Present. | |
| E378892 | Commercial | Bifid (potential modelling distortion). | Spread & upturned nasal base - weak [natural/modelled?]. | Removed – nasal septum not present. | |
| E382592-0 | Commercial | Bifid - weak (potential modelling distortion). | Weak upturn of nasal base [natural/modelled?]. | Removed (few weak hairs). | Caucasoid appearance [?]. |
| E387845-0 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Present. | |
| E397131-0 | Commercial | Non-bifid. | Distinct pinch of nasal bridge. Weak upturn of nasal base. | Removed. | Caucasoid appearance [?]. |
| E411333-0 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |
| N387872-0 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |
| P387657-0 | Commercial | Non-bifid. | Distinct pinch of nasal bridge. Spread & upturned nasal base - strong. | Present. | |
| P387659-0 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |
| P387660-0 | Commercial | Non-bifid. | Distinct pinch of nasal bridge. Weak upturn of nasal base. | Removed (few weak hairs). | Pitch modelled over nose. Made to appear more Caucasoid [?] - Afro textured hair suggests nose ought to be rounded. |
| P387661-0 | Commercial | Non-bifid. | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |
| A36675 | Ambiguous | Bifid (likely chonta pin distortion). | Pinched nasal bridge. Upturned - strong. | Removed. | |

| Head ID | Processor origin | Bifid/Non-bifid | Remodelling pattern | Nasal hair | Other |
|---------|------------------|--|--|---------------------------|--|
| A41122 | Ambiguous | Bifid (likely chonta pin distortion). | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A44058 | Ambiguous | Bifid (likely chonta pin distortion). | Spread & upturned nasal base - strong. | Removed. | |
| A95788 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Profuse. | |
| A121091 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Profuse. | Pins remain in place - nasal hair removal is challenged. |
| A155039 | Ambiguous | Non-bifid. | Concaved columella. Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A161722 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A191643 | Ambiguous | Bifid (likely chonta pin distortion). | Spread & upturned nasal base - strong. | Removed. | |
| A233681 | Ambiguous | Bifid (likely chonta pin distortion). | Spread & upturned nasal base - weak [natural/modelled?]. | Removed (few weak hairs). | |
| A642548 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Profuse. | |
| A642551 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Removed. | |
| A642552 | Ambiguous | Bifid - weak (likely chonta pin distortion). | Spread & upturned nasal base - strong. | Removed. | |
| A642553 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A642554 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Present. | |
| A642555 | Ambiguous | Bifid - weak (likely chonta pin distortion). | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A642558 | Ambiguous | Bifid - weak (likely chonta pin distortion). | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A642559 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Removed. | |
| A642561 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| A642562 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Removed. | |
| A642563 | Ambiguous | Bifid - weak (likely chonta pin distortion). | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |

| Head ID | Processor origin | Bifid/Non-bifid | Remodelling pattern | Nasal hair | Other |
|-----------|------------------|-----------------|--|---------------------------|-------|
| E039500 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Plugged - pitch. | |
| E315111-0 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |
| Elgin1 | Ambiguous | Non-bifid. | Spread & upturned nasal base - strong. | Removed (few weak hairs). | |