

**[Supplementary material]**

**Relational bodies: affordances, substances and embodiment in Chinchorro funerary practices (c. 7000–3250 BP)**

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**Table S1. Chinchorro bodies with artificial treatment and radiocarbon dates. ISS = indeterminate stuffed style; MS = modelled style; NTS = natural-treated style; SSES=stuffed-with-sediment-and/or elements style; SVS=stuffed-with-vegetal style.**

Body code	Museum/Origin code	Site	Artificial treatment style	Radiocarbon age (years BP and $\sigma$ )	Maximum calibration BP (shcal20.14c) 1 $\sigma$ *	Minimum calibration BP (shcal20.14c) 1 $\sigma$ *	Probability *	Maximum calibration BP (shcal20.14c) 2 $\sigma$ *	Minimum calibration BP (shcal20.14c) 2 $\sigma$ *	Probability *	Lab code	Sample type	Reference
[21]	MNHN/11040	No References	SVS	3254±210	3700	3165	0.679000	3976	2920	0.949000	DRI-3454	Reeds	Arriaza <i>et al.</i> (2005)
[145]	MCHAP/PE-303, Tumba 1, Cuerpo 5	Morro-1	MS	3440±317	4095	3327	0.645000	4529	2870	0.954000	DRI-3453	Reeds	Arriaza <i>et al.</i> (2005)
[67]	MRI/2569, Infante 1, Conjunto 1, Individuo 2	Patillos-2	SSES	3484±80	3831	3616	0.646000	3910	3485	0.952000	DRI-3335	Plant remains	Arriaza & Standen (2016)
[68]	MRI/2569, Infante 2, Conjunto 1, Individuo 3	Patillos-2	Undetermined style	3484±80	3831	3616	0.646000	3910	3485	0.952000	DRI-3335	Plant remains	Arriaza & Standen (2016)
[63]	MRI/2563/5.48.14.2483	Patillos-2	NTS	3504±83	3844	3622	0.666000	3930	3550	0.898000	DRI-3444	Wood	Arriaza & Standen (2016)

[3]	MNHN/10988	No References	Undetermine d style	3640±83	4010	3824	0.487 000	4160	3638	0.931000	DRI- 3446	Cord**	Arriaza <i>et al.</i> (2005)
[203]	MASMA/ Tumba 28, Cuerpo 9	Morro-1	NTS	3670±100	4093	3830	0.646 000	4247	3687	0.948000	I-13651	Muscle/ lung	Allison <i>et al.</i> (1984)
[26]	MNHN/11052	No References	SVS	3690±60	4016	3893	0.463 000	4154	3828	0.940000	BETA- 11382	Skull filling**	Llagostera (2003)
[17]	MNHN/10955, Esqueleto N° 21	Morro-1/1	Undetermine d style	3927±143	4454	4140	0.549 000	4658	3961	0.888000	DRI- 3447	Cord**	Arriaza <i>et al.</i> (2005)
[169]	MASMA/ Tumba 23, Cuerpo 7	Morro-1	SSES	4040±100	4620	4348	0.580 000	4824	4231	0.936000	I-13543	Wood	Allison <i>et al.</i> (1984)
[104]	MASMA/ Tumba 7, Cuerpo 5	Morro-1	SSES	4163±86	4726	4568	0.430 000	4841	4425	0.954000	DRI- 3451	Reeds	Arriaza <i>et al.</i> (2005)
[105]	MASMA/ Tumba 7, Cuerpo 6	Morro-1	SSES	4164±81	4725	4569	0.437 000	4841	4502	0.871000	DRI- 3389	Wool, hair and muscle	Arriaza <i>et al.</i> (2005)
[168]	MASMA/ Tumba 21, Cuerpo 1	Morro-1	SSES	4200±100	4834	4574	0.683 000	4885	4416	0.939000	I-13541	Muscle	Allison <i>et al.</i> (1984)
[2]	MNHN/ Caja 72	No References	Undetermine d style	4273±135	4963	4571	0.671 000	5080	4420	0.881000	DRI- 3455	Reeds	Arriaza <i>et al.</i> (2005)

[112]	MASMA/ Tumba 25, Cuerpo 5	Morro-1	SSES	4260±75	4764	4620	0.447 000	4962	4526	0.954000	ETH- 18326	Wool and hair	Arriaza <i>et al.</i> (2005)
[106]	MASMA/ Tumba 19	Morro-1	SSES	4350±280	5302	4569	0.665 000	5596	4150	0.954000	I-13650	Muscle	Allison <i>et al.</i> (1984)
[103]	MASMA/ Tumba 7, Cuerpo 4	Morro-1	SSES	4481±54	5279	4962	0.600 000	5148	4875	0.616000	DRI- 3388	Muscle	Arriaza <i>et al.</i> (2005)
[164]	MASMA/ Tumba 7, Cuerpo 1	Morro-1	SSES	4520±90	5295	5036	0.623 000	5324	4860	0.937000	BETA- 40956	Muscle	Standen (1991)
[178]	MASMA/ Tumba 25, Cuerpo 6	Morro-1	SSES	4570±100	5321	5040	0.638 000	5465	4951	0.898000	I-13542	Muscle	Allison <i>et al.</i> (1984)
[195]	MASMA/ Tumba 23, Cuerpo 12	Morro-1	NTS	4721±55	5426	5320	0.489 000	5490	5310	0.774000	DRI- 3448	Muscle	Arriaza <i>et al.</i> (2005)
[86]	MASMA/ Cuerpo 1	Maderas Enco-1	MS	4750±155	5604	5281	0.623 000	5754	4962	0.942000	GX- 17464	Wood	Arriaza (1995)
[153]	U. CHILE/ Conjunto B, Individuo 1	Pisagua Viejo-2	ISS	4880±320	5939	5271	0.607 000	6310	4822	0.953000	IVIC- 170	Thoracic filling**	Núñez (1965)

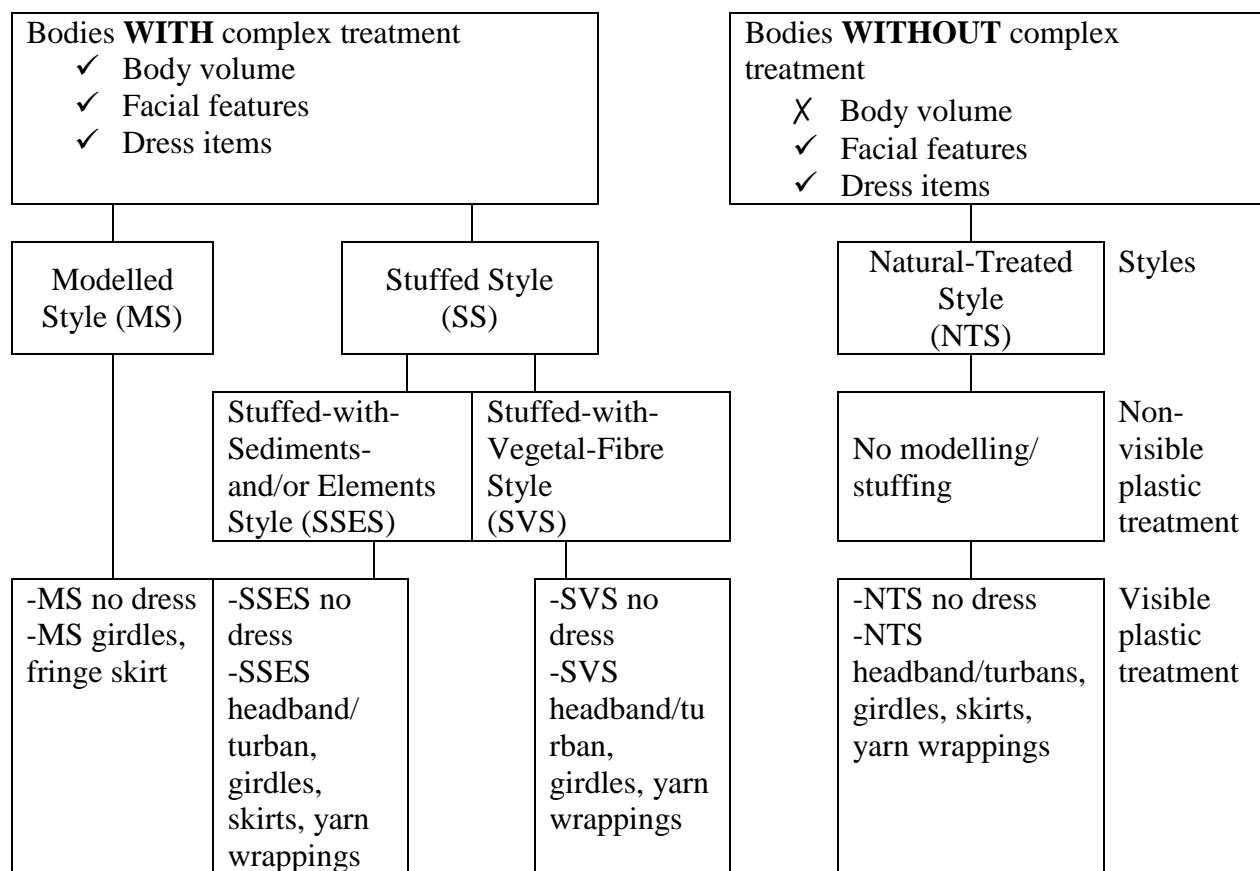
[139]	MHNV/2281	No References	MS	5010±110	5759	5595	0.493000	5937	5476	0.951000	GAK-9903	Wood	Vera (1981)
[163]	MASMA/ Tumba 1, Cuerpo 4	Morro-1	MS	5160±110	5997	5722	0.683000	6119	5446	0.889000	I-13539	Lung	Allison <i>et al.</i> (1984)
[138]	MHNV/2280	No References	MS	5240±230	6209	5732	0.649000	6453	5476	0.95100	GAK-9902	Wood	Vera (1981)
[162]	MASMA/ Tumba 1, Cuerpo 4	Maestranza-1 / Maestranza Chinchorro	MS	5453±170	6349	5996	0.648000	6565	5889	0.927000	DRI-3452	Wood	Arriaza <i>et al.</i> (2005)
[166]	MASMA/ Tumba 10	Morro-1	SSES	5533±59	6321	6272	0.333000	6409	6183	0.926000	DRI-3450	Bone	Arriaza <i>et al.</i> (2005)
[160]	MASMA/ Tumba 1, Cuerpo 2	Chinchorro-1	MS	5560±175	6499	6174	0.589000	6677	5925	0.946000	GX-15083	Wood	Aufderheide <i>et al.</i> (1993)
[159]	MASMA/ Tumba 1, Cuerpo 1	Chinchorro-1	MS	6070±285	7174	6608	0.621000	7479	6298	0.954000	GX-15084	Wood	Aufderheide <i>et al.</i> (1993)

[77]	MASMA/ Tumba 1, Cuerpo 3	Camarones- 17	SSES	6780±110	7688	7501	0.670 000	7796	7426	0.941000	GX- 15080	Wood	Aufderheide <i>et al.</i> (1993)
[78]	MASMA/ Tumba 1, Cuerpo 4	Camarones- 17	Undetermine d style	6930±140	7854	7611	0.652 000	8008	7506	0.954000	GX- 15081	Wood	Aufderheide <i>et al.</i> (1993)
[37]	MNHN/ Inhumación N° 21	Camarones- 14	Undetermine d style	7000±135	7876	7679	0.572 000	8028	7570	0.953000	I-11431	Muscle	Schiappacasse & Niemeyer (1984)

\* Calibrated by software OxCal v4.4.2 (Bronk Ramsey 2009) using the Southern Hemisphere Calibration Curve SHCal20 (Hogg *et al.* 2020).

\*\* Undetermined material.

**Table S2. Chinchorro: bodies with artificial post-mortem treatment.**



**Table S3. Proportion and frequency of non-visible plastic treatment attributes, by stage and/or body type.**

<b>Artificial chinchorro body treatment: non-visible plastic attributes</b>	<b>Stage I- beginning (n)</b>	<b>Stage II- modelled style (MS) (n)</b>	<b>Stage III- stuffed-with- sediments and elements style (SESS) (n)</b>	<b>Stage IV- stuffed-with- vegetal style (SVS) (n)</b>	<b>Natural-treated style (NTS) (n)</b>
<b>1. HEAD STUFFING</b>					none
Sediment, vegetal fibre, skin	25% (2)				
Vegetal fibre.		14% (3)			
None		9.5% (2)	7.6% (4)		
Skin		4.7% (1)	7.6% (4)	36.3% (4)	
Skin and vegetal fibre		4.7% (1)	1.9% (1)	9% (1)	
Sediment		4.7% (1)	15.3% (8)	18.1% (2)	
Sediment and undetermined organic matter			1.9% (1)		
Sediment and skin			1.9% (1)		
Skin, vegetal fibre and human hair					
Undetermined	75% (6)	61.9% (13)	63.4% (33)	36.3% (4)	
<b>2. INTERNAL TREATMENT OF THE TRUNK</b>					none
Clay		90.4% (19)			
Clay and skin		4.7% (1)			
Sediment	25% (2)		28.8% (15)		
Sediment and undetermined organic matter			7.6% (4)		
Sediment, bird skin, vegetal fibre and yarn			1.9% (1)		
Sediment and skin			30.7% (16)		
Sediment, skin and vegetal fibre			5.7% (3)		
Sediment, skin, vegetal fibre and	12.5% (1)				



others					
Sediment, skin and marine vegetal fibre			5.7% (3)		
Sediment and vegetal fibre			7.6% (4)		
Vegetal fibre				100% (11)	
Undetermined	62.5% (5)	4.7% (1)	11.5% (6)		
<b>3. FACIAL PASTE</b>					
Red	62.5% (5)	4.7% (1)	1.9% (1)		10% (3)
Black	25% (2)	9.5% (2)	19.2% (10)	9% (1)	20% (6)
Red and black	12.5% (1)		1.9% (1)		
White		42.8% (9)	7.6% (4)		
None					26.6% (8)
Undetermined		42.8% (9)	69.2% (36)	90.9% (10)	43.3% (13)
<b>Total number of bodies</b>	<b>8</b>	<b>21</b>	<b>52</b>	<b>11</b>	<b>30</b>

**Table S4. Proportion and frequency of visible plastic treatment attributes, by stage and/or body type.**

<b>Artificial Chinchorro body treatment: visible plastic attributes</b>	<b>Stage I- beginnings (n)</b>	<b>Stage II- modelled style (MS) (n)</b>	<b>Stage III- stuffed-with- sediments and elements style (SESS) (n)</b>	<b>Stage IV- stuffed-with- vegetal style (SVS) (n)</b>	<b>Natural-treated style (NTS) (n)</b>
<b>4. WIGS</b>					
Tufts	37.5% (3)	14.2% (3)	7.6% (4)	19% (1)	
Natural		42.8% (9)	17.3% (9)		43.3% (13)
Coating			19.2% (10)		
Tufts and coating			7.6% (4)	36.3% (4)	
Natural and coating			5.7% (3)	9% (1)	3.3% (1)
Undetermined	62.5% (5)	42.8% (9)	42.3% (22)	45.4% (5)	53.3% (16)
<b>5. COLOURED WIGS COATING</b>					
None	100% (8)	100% (21)	17.3% (9)	18.1% (2)	46.6% (14)

Black			9.6% (5)	18.1% (2)	
Red			23% (12)		
White			1.9% (1)	9% (1)	
Undetermined			48% (25)	54.5% (6)	53.3% (16)
<b>6. FACIAL COATING COLOUR</b>					
Red	62.5% (5)	9.5% (2)	7.6% (4)	9% (1)	10% (3)
Black		47.6% (10)	9.6% (5)		6.6% (2)
Black and red			1.9% (1)		3.3% (1)
None			13.4% (7)		26.6% (8)
Black, brown and white			1.9% (1)		
Red and green				9% (1)	
Brown					3.3% (1)
Undetermined	37.5% (3)	42.8% (9)	65.3% (34)	81.8% (9)	50% (15)
<b>7. NASAL CAVITIES</b>					
Absence of cavities	62.5% (5)	23.8% (5)	11.5% (6)		43.3% (13)
Presence of cavities	12.5% (1)	23.8% (5)	15.3% (8)	9% (1)	
Undetermined	25% (2)	52.3% (11)	73% (38)	90.9% (10)	56.6% (17)
<b>8. DRESS</b>					
Absence of dress	87.5% (7)	76.1% (16)	46.1% (24)	18.1% (2)	30% (9)
Presence of dress	12.5% (1)	23.8% (5)	53.8% (28)	81.8% (9)	70% (21)
Vegetal fibre	100% (1)		11.5% (6)	9% (1)	23.3% (7)
Animal fibre		23.8% (5)	34.6% (18)	54.5% (6)	43.3% (13)
Vegetal and animal fibre			7.6% (4)	18.1% (2)	3.3% (1)
<b>Total number of bodies</b>	<b>8</b>	<b>21</b>	<b>52</b>	<b>11</b>	<b>30</b>

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