

Table 4.2 Masses of red marrow, yellow marrow, and endosteum in the 19 bones and bone groups of the reference computational phantoms.

Bone	Mass (g)					
	Male			Female		
	RBM	YBM	Endosteum *	RBM	YBM	Endosteum *
Humeri, upper half	26.9	76.8	9.6	20.7	59.1	7.3
Humeri, lower half	0.0	73.0	11.5	0.0	55.0	8.5
Ulnae and radii	0.0	131.8	16.4	0.0	93.0	12.1
Wrists and hand bones	0.0	83.7	12.5	0.0	47.5	7.1
Clavicles	9.4	18.1	2.5	7.2	13.9	1.9
Cranium	88.9	138.0	83.4	68.4	106.2	64.2
Femora, upper half	78.4	223.8	44.2	60.3	172.1	34.2
Femora, lower half	0.0	344.0	48.5	0.0	169.3	24.0
Tibiae, fibulae and patellae	0.0	516.2	92.4	0.0	469.9	84.5
Ankles and foot bones	0.0	304.6	42.2	0.0	176.2	24.4
Mandible	9.4	14.5	2.0	7.2	11.2	1.6
Pelvis (os coxae)	205.2	211.5	51.7	157.5	162.3	39.7
Ribs	188.7	77.0	29.8	144.9	59.1	22.9
Scapulae	32.8	50.9	9.8	25.2	39.1	7.6
Cervical spine	45.6	18.6	11.5	35.1	14.3	8.8
Thoracic spine	188.7	77.0	26.9	144.9	59.1	20.6
Lumbar spine	143.9	58.7	23.4	110.7	45.1	18.0
Sacrum	115.8	47.2	20.6	89.1	36.3	15.8
Sternum	36.3	14.8	5.5	27.9	11.4	4.3
Total	1170	2480.2	544.4	899.1	1800.1	407.5

RBM, red bone marrow; YBM, yellow bone marrow.

\* Bolch et al. (2007).