

A.1. RAW RESULTS

Obtained measurements in all preparations are shown in Tables 1 (Control) and 2 (Experimental). The data are presented as absolute values distributed in columns according to the animal on which they have been measured. For each variable there are 5 measurements as 5 preparations of each hemimandible were selected for evaluation. In addition, the columns have been distributed according to the time of evaluation (3 and 6 weeks). In the 3-week section, 5 specimens have been evaluated instead of 6 as the two hemimandibles (one from the control group and the other from the experimental) of one of the animals were discarded.

In specimens 0 and 1 in the control group (evaluated at 3 weeks of evolution) no bone neoformation was observed, so the recorded values in the variables *Bone Surface* (Os) and *Pores with Bone Tissue* (PorOs) are 0 in all preparations. Some variables (*Percentage of bone in periphery* (Prf) and in *central area* (Cen) on one side and percentage of bone in *macropores* (MacOs) and in *micropores* (micOs) on the other) are percentages which both sum 100; however in preparations where no bone neoformation has been recorded, being Os and PorOs 0, these variables are also 0. When performing analytical statistics, this results in a misinterpretation of the results; therefore, the obtained values (which were 0) for those 4 variables (*Prf*, *Cen*, *MacOs*, *micOs*) were not included in specimens 0 and 1 of the control group when making comparisons.

For a similar reason, as there was no bone neoformation in micropores throughout the control group at 3 weeks, interpores (which belong to micropores) were also 0 because the percentage in the micropores was 0. These values were not used in the analytical statistic.

Used abbreviations are as follows:

Os: Surface (with respect to the available area) occupied by bone tissue (%).

Prf: Percentage of that bone tissue located in the periphery of the defect.

Cen: Percentage of that bone tissue located in the central area of the defect.

PorOs: Percentage of pores occupied by bone tissue.

MacOs: Percentage of bone pores that are macropores.

micOs: Percentage of bone pores that are micropores.

InterOs: Percentage of bone micropores that are interpores.

Mad: Bone maturity score in a histological cut.

SupPB: Surface (with respect to available area) occupied by deleterious tissue entering into the defect from the vestibular or lingual aspect(%).

SEMANA	3 SEMANAS					6 SEMANAS					
RATA	0	1	2	3	4	6	7	8	9	10	11
Os	0	0	1,12	1,32	1,56	5,15	3,99	13,64	9,11	14,22	12,21
	0	0	1,29	1,2	1,23	6,42	7,44	18,32	17,12	14,49	11,21
	0	0	1,9	1,55	1,87	4,73	8,65	12,77	14,81	14,7	10,21
	0	0	1,87	1,43	0,98	5,65	6,54	15,34	12,34	11,1	9,98
	0	0	1,01	1,89	1,43	5,25	5,43	14,75	13,87	12,99	10,12
PorOs	0	0	1,54	2,08	2,02	5,02	2,7	9,43	4,33	12,24	9,67
	0	0	0,98	1,88	1,23	6,38	6,25	12,24	6,77	10	8,62
	0	0	0,89	1,79	2,21	5,66	8,45	10,16	6,25	9,13	7,81
	0	0	2,14	1,64	1,54	6,12	5,46	9,02	4,87	8,14	7,56
	0	0	1,99	2,15	1,86	5,35	5,25	9,75	5,23	8,05	7,23
Prf	0	0	100	100	100	100	100	100	100	100	100
	0	0	100	100	100	100	100	100	100	100	100
	0	0	100	100	100	100	100	100	100	100	100
	0	0	100	100	100	100	100	100	100	100	100
	0	0	100	100	100	100	100	100	100	100	100
Cen	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
MacOs	0	0	100	100	100	86,13	90,13	87,65	86,63	85,76	82,32
	0	0	100	100	100	84,78	88,02	89,75	85,43	83,12	83,55
	0	0	100	100	100	86,66	90,12	86,43	89,46	84,56	80,15
	0	0	100	100	100	89,63	92,34	88,43	93,01	85,49	79,59
	0	0	100	100	100	86,43	87,65	86,32	87,43	86,67	75,45
micOs	0	0	0	0	0	13,87	12,35	12,35	13,37	14,24	17,68
	0	0	0	0	0	15,22	9,87	10,25	14,57	16,88	16,45
	0	0	0	0	0	13,34	11,98	13,57	10,54	15,44	19,85
	0	0	0	0	0	13,57	9,88	11,57	6,99	14,51	20,41
	0	0	0	0	0	10,37	7,66	13,68	12,57	13,33	24,55
InterOs	0	0	0	0	0	98,6	89,9	92,5	95,25	91,56	93,65
	0	0	0	0	0	95,62	92,13	94,53	91,13	87,52	90,72
	0	0	0	0	0	88,58	89,64	91,37	85,28	85,73	87,38
	0	0	0	0	0	89,74	93,12	87,96	88,38	92,43	89,45
	0	0	0	0	0	91,12	92,42	88,95	86,02	83,22	79,73
Mad	0	0	0	0	1	1	1	3	2	2	2
	0	0	0	0	0	2	2	3	3	2	2
	0	0	0	0	1	1	2	3	1	2	2
	0	0	0	0	0	1	2	3	2	2	3
	0	0	0	0	0	1	1	3	2	2	2
SupPB	13,55	22,09	1,47	13,97	11,2	21,32	16,36	18,01	15,68	11,17	4,72
	13,76	21,35	7,25	14,32	11,01	17,76	16,1	27,45	12,19	9,4	6,43
	15,97	21,1	3,31	11,94	9,76	20,84	15,84	27,55	12,42	12,13	5,05
	12,78	19,64	4,51	12,43	10,85	19,65	14,65	26,54	13,76	11,34	4,89
	14,93	23,64	6,27	18,41	12,23	24,05	17,21	23,54	14,28	10,89	4,99
PorPB	3,98	16,75	7,32	16,13	4,58	12,76	7,65	15,09	10,16	12,24	3,22
	4,1	17,54	8,69	16,66	4,23	8,92	12,5	26,53	8,3	10,05	3,76
	6,75	19,23	6,66	9,43	3,58	13,98	8,45	18,64	6,25	13,45	4,68
	3,56	18,65	5,33	15,23	4,54	11,32	9,65	22,43	9,23	12,5	4,23
	5,95	16	12,5	14,63	5,33	12,43	11,43	27,54	10,09	11,98	4,55
MacPB	75	50	37,5	79	100	66,66	100	62,5	66,66	33,33	100
	66,66	40	55	75	100	75	50	30,76	83,33	60	100
	40	60	60	80	100	80	66,66	27,27	75	100	100
	66,66	50	50	78	100	83,33	100	75,43	65	90	75
	40	100	50	83,33	100	90	80	64,23	70	80	85
MicPB	25	0	45	21	0	33,34	0	37,5	33,34	66,67	0
	33,34	50	50	25	0	25	50	69,24	16,67	40	0
	60	60	40	20	0	20	33,34	72,73	25	0	0
	33,34	40	50	22	0	16,67	0	24,57	35	10	25
	60	50	62,5	16,67	0	10	20	35,77	30	20	15
InterpPB	100	0	100	100	0	100	0	100	100	100	0
	100	100	100	100	0	100	50	66,66	100	100	0
	100	100	100	100	0	100	100	62,5	100	0	0
	100	100	100	100	0	100	0	73,22	80	100	100
	100	100	100	100	0	100	100	80	100	100	100

Table IV-3: Raw results recorded in the control group.

SEMANA	3 SEMANAS					6 SEMANAS					
RATA	0	1	2	3	4	6	7	8	9	10	11
Os	2,98	3,09	3,12	5,42	3,17	17,36	23,54	44,38	30,94	30,67	24,43
	3,15	3,23	4,16	4,09	5,12	13,43	22,34	43,39	42,21	28,44	26,66
	3,12	2,41	4,34	6,23	4,94	13,15	18,9	42,23	32,54	26,54	28,77
	2,76	3,22	3,87	6,43	3,54	14,54	16,76	36,11	35,43	25,45	29,65
PorOs	3,12	3,19	5,65	4,48	4,79	15,32	14,26	40,43	33,67	28,7	26,54
	2,1	2,22	3,17	3,33	4,16	14,92	18,39	53,94	33,91	30,98	33,09
	2,04	2,43	3,125	5,03	4,93	12,72	16,54	47,29	46,66	25,33	32,46
	2,76	3,18	2,76	4,89	4,53	14,28	15,05	39,13	34,69	24,55	37,97
Prf	2,15	2,98	2,86	4,56	4,76	14,65	14,75	38,65	36,76	23,09	35,43
	2,43	2,65	2,12	4,47	4,24	14,87	14,28	37,56	35,42	22	35,23
	89,23	85,63	83,03	75,43	76,23	68,31	69,67	67,28	61,49	59,88	70,63
	82,54	89,35	80,33	70,16	85,31	69,66	64,24	66,43	73,1	52,95	67,81
Cen	80,76	89,13	87,7	79,88	80,88	56,82	60,07	71,48	57,64	57,55	61,49
	87,54	83,68	89,23	74,37	77,33	62,75	66,66	68,46	70,44	58,63	62,57
	88,54	80,55	82,14	72,42	71,77	64,53	61,59	67,35	63,24	60,05	60,46
	10,77	14,37	16,97	24,57	23,77	31,69	30,33	32,72	38,51	40,12	29,37
MacOs	17,46	10,65	19,67	29,84	14,69	30,34	35,76	33,57	26,9	47,05	32,19
	19,24	10,87	12,3	20,12	19,12	43,18	39,93	28,52	42,36	32,45	38,51
	12,46	16,32	10,77	25,63	22,67	37,25	33,34	31,54	29,56	41,37	37,43
	11,46	19,45	17,86	27,58	28,23	35,47	38,41	32,65	36,76	39,94	39,54
micOs	89,52	82,47	90,34	86,34	85,1	45,67	42,23	36,98	41,1	41,84	38,74
	92,14	84,31	89,76	88,65	84,35	48,83	43,84	39,87	43,68	38,9	40,02
	87,3	86,34	93,56	92,35	87,23	51,23	45,67	34,47	40,09	32,46	38,98
	83,76	88,23	91,56	88,12	90,56	53,56	49,35	25,67	39,99	38,35	42,78
InterOs	85,36	82,59	89,87	89,99	85,67	56,67	52,34	28,43	41,45	34,58	46,56
	10,48	17,53	9,66	13,66	14,9	54,33	57,77	63,02	58,9	58,16	61,26
	7,86	15,69	10,24	11,35	15,65	51,17	56,16	60,13	56,32	61,1	59,98
	12,7	13,66	6,44	7,65	12,77	48,77	54,33	65,53	59,91	67,54	61,02
Mad	16,24	11,77	8,44	11,88	9,44	46,44	50,65	74,33	60,01	61,65	57,22
	14,64	17,41	10,13	10,01	14,33	43,33	47,66	71,57	58,55	65,42	53,44
	100	100	95,65	85,45	100	54,54	36,24	49,89	42,8	47,47	36,23
	100	100	90,63	90,23	95,63	46,74	42,98	43,76	38,54	42,88	39,09
SupPB	100	100	95,63	95,23	90,74	39,17	47,76	39,53	43,54	49,27	45,06
	95,64	93,54	89,25	91,25	93,54	43,58	38,44	37,56	41,13	39,96	41,34
	91,43	94,52	84,23	86,94	87,43	49,76	51,33	40,05	35,15	48,55	37,72
	2	2	2	3	2	4	4	5	4	5	5
PorPB	2	2	2	2	3	4	4	5	5	5	4
	2	2	2	3	3	4	4	5	4	4	4
	2	2	2	3	2	4	4	5	4	5	4
	2	2	3	2	3	4	4	5	5	5	5
MacPB	5,6	12,45	3,6	4,55	8,04	9,34	5,15	7,3	5,42	11,68	19,95
	8,2	5,9	2,11	7,16	6,32	5,47	6,76	8,34	9,32	9,11	10,01
	9,09	7,1	7,195	6,54	7,96	8,13	7,07	10	7,65	8,34	14,46
	7,23	6,43	4,32	5,43	6,98	7,24	5,98	9,65	8,43	7,15	16,54
MicPB	8,62	9,62	3,76	3,79	7,15	6,43	4,17	8,89	6,25	6,56	13,58
	1,56	5,26	1,58	5,11	3,7	4,47	6,89	3,94	2,6	8,56	3,89
	2,04	2,5	1,56	6,54	3,12	3,63	6,12	8,1	2,66	6,47	3,79
	2,38	4,54	3,79	5,76	4,52	3,57	5,37	6,52	2,04	5,6	3,87
InterpPB	1,96	3,12	2,32	5,24	3,25	3,62	5,15	7,55	2,98	4,23	4,54
	2,16	2,99	1,87	4,47	3,45	6,43	4,76	8,45	2,7	3,5	3,81
	100	100	100	100	100	100	83,33	100	100	66,67	100
	100	100	100	100	100	100	100	50	100	42	66,66
InterpPB	100	100	100	100	100	100	100	66,66	100	75	70
	100	100	100	100	100	100	80	70	100	80	50
	100	100	100	100	80	100	100	90	80	100	80
	0	0	0	0	0	0	16,67	0	0	33,33	0
InterpPB	0	0	0	0	0	0	0	50	0	58	33,34
	0	0	0	0	0	0	0	33,34	0	25	20
	0	0	0	0	0	0	20	30	0	20	50
	0	0	0	0	20	0	0	10	20	0	20
InterpPB	0	0	0	0	0	0	100	0	0	80	0
	0	0	0	0	0	0	0	66,66	0	75	100
	0	0	0	0	0	0	0	100	0	100	100
	0	0	0	0	0	0	100	80	0	90	80
InterpPB	0	0	0	0	100	0	0	100	100	0	100

Table 2: Raw results obtained in the experimental group.