

EVALUATION OF THE USE OF TISSUE ADHESIVE COMPARED WITH STANDARD SUTURES IN THE HEALING PROCESS FOLLOWING THIRD MOLAR SURGERY.

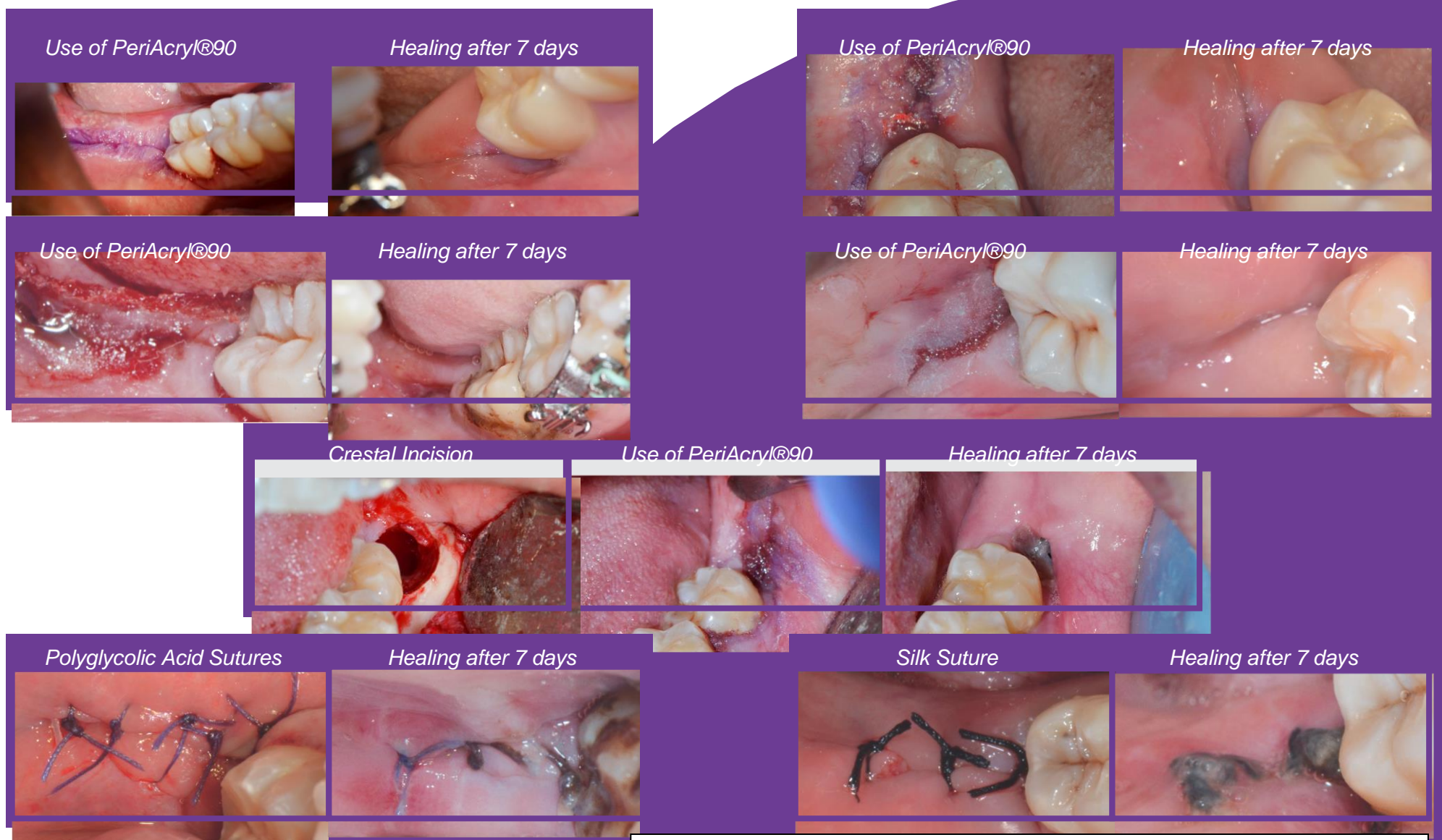
PeriAcryl®90

SUMMARY

The use of the tissue adhesive was assessed as compared with that of conventional sutures in the healing process following the performance of a third molar surgical procedure. The study was carried out on 100 patients, of both genders, between the ages of 15 and 40, where 50 molars were treated with tissue adhesive (the experimental group), 25 with conventional sutures and 25 with absorbable sutures. The parameters assessed were: the features, properties and advantages ascribed by its manufacturers to the tissue adhesives as compared with conventional sutures. Among these were the following: that tissue adhesives encourage haemostasis, reduce edema and avoid complications such as infection and tissue reaction to foreign bodies, among other factors.

OBJECTIVES

To assess the superiority of the tissue adhesive over conventional sutures in terms of its properties and advantages, and so demonstrate that the use of this material is safe and innovative, representing a new alternative for the treatment of surgical wounds. To compare the healing properties ascribed to the tissue adhesive in the closure of surgical wounds in the oral cavity, compared with conventional sutures. To compare the advantages of the tissue adhesive over conventional sutures in terms of manipulation.



CONCLUSIONS

Tissue adhesives were used in this study, producing satisfactory results, since it has been possible to prove their effectiveness and safety when used as a medium to bring together the sides of a surgical wound to encourage the healing process within the oral cavity. It was also possible to confirm the properties of sutures which were already known; it was thus possible to establish a comparison between the two materials, and tissue adhesives proved to be superior to conventional sutures in a number of ways.

PARAMETERS	SUTURE (SILK 3-0) %	SUTURE (POLYGLYCOLIC 3-0) %	PERIACRYL HV %
HAEMOSTASIS	25 100%	25 100%	50 100%
EDEMA	22 88%	23 92%	0 0%
DISCHARGE	2 8%	0 0%	0 0%
COLOR CHANGE ON EDGES OF WOUND	22 88%	7 28%	0 0%
DEHISCENCE	4 16%	3 12%	3 6%
HYGIENE PROBLEMS	18 72%	15 60%	2 4%
UNPLEASANT ODOR	2 8%	0 0%	0 0%
PAIN ON INSERTION	7 28%	9 36%	0 0%
PAIN ON EXTRACTION	17 68%	16 64%	0 0%
WHAT MATERIAL WOULD YOU LIKE TO BE APPLIED IF YOU WERE OPERATED ON AGAIN	0 0%	0 0%	50 100%

PATIENT POPULATION: 25 PATIENTS (SILK), 25 PATIENTS (POLYGLYCOLIC), 50 PATIENTS (PERIACRYL)

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