شبكة المعلومات الجامعية

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بسم الله الرحمن الرحيم

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جامعة عين شمس

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قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

HANAA ALY

The Possible Therapeutic Effect of Aloe Vera versus Silver Nanoparticles on Acid Induced Lip Ulcer in Albino Rats (Histological and Immuno-histochemical Study)

Thesis

Submitted for Partial Fulfillment of the Requirements of Master's Degree in Oral Biology

By

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بسم الله الرحمن الرحيم

(قالوا سبحانك لاعلم لنا الا ما علمتنا انك أنت العليم الحكيم)

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Dedication

To my dear parents and sweet brothers,

To my lovely supporting husband,

To my adorable kids Yara and Yassin,

To my loyal and supportive friends,

And to anyone who had given us a sincere supportive word one day.

Thank you all for being there for me.

Contents

Title	Page
List of figures	III
List of tables	VII
List of abbreviations	VIII
Abstract	**X**
Introduction	**1**
Review of literature	**3**
Ulcers of the oral cavity	**4**
Acute oral ulcers	**4**
Chronic oral ulcers	**6**
Wound healing	**7**
Oral mucosal healing	**9**
Treatment of ulcers	**11**
Aloe Vera	**11**
Therapeutic uses of Aloe Vera	**13**
Aloe Vera side effects	**16**

Silver nanoparticles	**17**
Biological application of Silver nanoparticles	**20**
Application of Silver nanoparticles in dental field	**22**
Nanosilver in wound healing	**23**
Toxicity of Silver nanoparticles	**25**
Aim of the study	**27**
Materials and Methods	**28**
Results	**40**
H&E results	**40**
Immunohistochemical results	**58**
Statistical analysis	**70**
Discussion	**79**
Conclusions	**94**
Recommendations	**95**
Summary	**96**
References	**103**
Arabic summary	

List of figures

Fig. no.	Title	Page
1	Chemical composition of Aloe Vera gel on dry weight basis.	**13**
2	The transmission electron microscope image of prepared AgNPs.	**31**
3	Epithelial thickness measure.	**35**
4	A photomicrograph of rat's labial ulcer of subgroup (IA) **(H&E original magnification x100).**	**41**
5	A photomicrograph of ulcer's both sides of subgroup (IA) **(H&E original magnification x400)**.	**41**
6	A photomicrograph of the submucosa of subgroup (IA) **(H&E original magnification x400)**.	**42**
7	A photograph of rat's labial ulcer of subgroup (IB**) (H&E original magnification x100).**	**44**
8	Higher magnification of figure (7) **(H&E original magnification x400).**	**44**
9	A photomicrograph of the submucosa of subgroup (IB) **(H&E original magnification x400).**	**45**
10	A photomicrograph of rat's labial ulcer of subgroup (IIA) **(H&E original magnification x100).**	**47**

11	Higher magnification of figure (10) **(H&E original magnification x400).**	**47**
12	A photomicrograph of the submucosa of subgroup (IIA) **(H&E original magnification x400).**	**48**
13	A photomicrograph of rat's labial mucosa of subgroup (IIB) **(H&E original magnification x100).**	**50**
14	Higher magnification of figure (13) **(H&E original magnification x400).**	**50**
15	A photomicrograph of the submucosa of subgroup (IIB) **(H&E original magnification x400).**	**51**
16	A photomicrograph of rat's labial mucosa of subgroup (IIIA) **(H&E original magnification x100).**	**53**
17	Higher magnification of figure (16) **(H&E original magnification x400).**	**53**
18	A photomicrograph of the submucosa of subgroup (IIIA) **(H&E original magnification x400).**	**54**
19	A photomicrograph of rat's labial mucosa of subgroup (IIIB) **(H&E original magnification x100).**	**56**
20	Higher magnification of figure (19) **(H&E original magnification x400).**	**56**
21	A photomicrograph of the submucosa of subgroup (IIB) **(H&E original magnification x400).**	**57**

22	Higher magnification of both sides of the ulcer of rat's labial mucosa of subgroup (IA) **(anti-PCNA original magnification x400**).	**59**
23	A photomicrograph of the submucosa of subgroup (IA) **(anti-PCNA original magnification x400).**	**59**
24	Higher magnification of both sides of the ulcer of rat's labial mucosa of subgroup (IB) **(anti-PCNA original magnification x400**).	**61**
25	A photomicrograph of the submucosa of subgroup (IB) **(anti-PCNA original magnification x400).**	**61**
26	Higher magnification of both sides of the ulcer of rat's labial mucosa of subgroup (IIA) **(anti-PCNA original magnification x400**).	**63**
27	A photomicrograph of the submucosa of subgroup (IIA) **(anti-PCNA original magnification x400).**	**63**
28	A photomicrograph of the healed labial ulcer of subgroup (IIB) **(anti-PCNA original magnification x400).**	**65**
29	A photomicrograph of the submucosa of subgroup (IIB) **(anti-PCNA original magnification x400).**	**65**
30	A photomicrograph of the healed labial ulcer of subgroup (IIIA) **(anti-PCNA original magnification x400).**	**67**
31	A photomicrograph of the submucosa of subgroup (IIIA) **(anti-PCNA original magnification x400).**	**67**

32	A photomicrograph of the healed labial ulcer of subgroup (IIIB) **(anti- PCNA original magnification x400).**	**69**
33	A photomicrograph of the submucosa of subgroup (IIIB) **(anti- PCNA original magnification x400).**	**69**
34	Bar chart showing mean epithelial thickness of untreated ulcerated, Aloe vera and Silver nanoparticles subgroups at three days post ulceration.	**71**
35	Bar chart showing mean epithelial thickness of untreated ulcerated, Aloe vera and Silver nanoparticles subgroups at nine days post ulceration.	**72**
36	Bar chart showing mean epithelial thickness of three and nine days in each group.	**74**
37	Bar chart showing mean area fraction (%) of anti-PCNA immunopositivity of untreated ulcerated, Aloe vera and Silver nanoparticles subgroups at three days post ulceration.	**75**
38	Bar chart showing mean area fraction (%) of anti-PCNA immunopositivity of untreated ulcerated, Aloe vera and Silver nanoparticles subgroups at nine days post ulceration.	**77**
39	Bar chart showing mean area fraction (%) of anti-PCNA immunopositivity of three and nine days in each group.	**78**

List of tables

Table no.	Content	Page
1	Steps of immunohistochemical evaluation.	**37**
2	Descriptive statistics of mean epithelial thickness of untreated ulcerated, Aloe Vera and silver nanoparticles subgroups at three days post ulceration.	**70**
3	Descriptive statistics of mean epithelial thickness of untreated ulcerated, Aloe Vera and Silver nanoparticles subgroups at nine days post ulceration.	**72**
4	Descriptive statistics of mean epithelial thickness of three and nine days in each group.	**73**
5	Descriptive statistics of mean area fraction (%) of anti-PCNA immunopositivity of untreated ulcerated, Aloe Vera and Silver nanoparticles subgroups at three days post ulceration.	**75**
6	Descriptive statistics of mean area fraction (%) of anti-PCNA immunopositivity of untreated ulcerated, Aloe Vera and Silver nanoparticles subgroups at nine days post ulceration.	**76**
7	Descriptive statistics of mean area fraction (%) of anti-PCNA immunopositivity of three and nine days in each group.	**78**

List of abbreviations

Abbreviation	Meaning
AF%	Area fraction%
Ag+	Silver ions
AgNPs	Silver nanoparticles
Anti-PCNA	Anti-proliferating cell nuclear antigen
AV	Aloe Vera
bFGF	Basic fibroblast growth factor
BM	Basement membrane
BVs	Blood vessels
COX-2	Cyclooxygenase
c.t	Connective tissue
ECM	Extracellular matrix
E-coli	Escherichia coli
EGF	Epidermal growth factor
ET	Epithelial thickness
H&E	Hematoxylin and Eosin
IL	Interleukin
KGF	Keratinocyte growth factor