



Aromathérapie: Indication et utilisation des Huiles Essentielles.

LEFEVRE Nadine, Praticienne en aromathérapie, CHU Réunion sud CEDELLE Mathieu, IDE CHU Réunion Sud

28 & 29 avril 2023 - Stella Matutina



Déclaration de lien d'intérêt

Je ne déclare pas de lien d'intérêt en rapport avec cette présentation.



Présentation

Du latin *aroma* (Aromate) et du grec *therapia* (traitement, soin).

UNIVERSITE DE STRASBOURG

FACULTE DE MEDECINE DE STRASBOURG

ANNEE 2020 N°110

THESE

PRESENTEE POUR LE DIPLOME DE

DOCTEUR EN MEDECINE

- Utilisée depuis plus de 10 ans en milieu hospitalier et médico-social.
- La base scientifique des Huiles essentielles s'agrandit au fil du temps.

Diplôme d'Etat Mention Médecine Générale

PAR

SCHIRO Samuel

Né le 23 Mai 1991, à Tarbes (65)

Leur pratique est régulé par des professionnels formés

Plaies d'escarre et cicatrisation : une place pour

l'aromathérapie?

Etude auprès des médecins généralistes et médecins

prescripteurs en EHPAD





AROMATHÉRAPIE CLINIQUE. CANCÉROLOGIE

Une nouvelle série de 4 podcasts en anglais sur les pratiques internationales

La Fondation donne la parole aux quatre experts de son jury international: Wendy Maddocks, Denise Joswiak, Jacqui Stringer et Rhignnon Lewis, Elles nous expliquent comment se pratique l'aromathérapie clinique dans leurs pays.

Plaidoyer pour une amélioration de la qualité des études cliniques en Aromathéranie



Ce plaidover vient rappeler les

de bonne qualité ainsi que les

points essentiels à considérer pour

lire et reconnaître les publications

paramètres importants à intégrer

pour mener une étude clinique en

scientifique

aromathérapie.

Lire la suite

AROMATHÉRAPIE CLINIQUE Tribune libre du conseil

AROMATHÉRAPIE CLINIQUE. INFECTIOLOGIE

'Paroles d'experts sur l'aromathérapie clinique' : une

'es d'experts sur nathérapie clinique

série de 5 podcasts La Fondation donne la parole à trois experts de son conseil scientifique : Dr Françoise Couic Marinier, Dr Sabrina Boutefnouchet et Dr Philippe Colls, Ils nous expliquent ce qu'est l'aromathérapie clinique en France et son intérêt pour les médecins en

infectiologie. Lire la suite



AROMATHÉRAPIE CLINIQUE

Maurice Gattefossé

Gattefossé.

Lire la suite

L'histoire inédite de René-

Enregistrement de la présentation

faite à Botanica 2020 par Sophie

Gattefossé-Movrand et Ségolène

Moyrand-Gros, la petite et arrière petite fille de René-Maurice



AROMATHÉRAPIE CLINIQUE

Aromathéraple scientifique : préconisations pour la pratique clinique, l'enseignement et la

Argumentaire destiné aux professionnels de santé pour l'utilisation de l'aromathérapie en soin complémentaire - rédaction par un consensus d'experts

Lire la suite



A l'Hôpital Marin de Hendaye, les huiles essentielles soignent les plaies infectées.

La Fondation raconte les histoires d'aromathérapie de ses porteurs de projets avec des témoignages de patients. Venez découvrir l'histoire d'aromathérapie #2 de Andoni Alli, Bourse 2018.

Lire la suite



SOINS PALLIATIFS

Mise en place de l'aromathérapie à la maison Jeanne Garnier

Expérience d'aromathérapie #1 avec le témoignage de Dr Laurent Taillade et de Sophie Robillard à la maison médicalisé Jeanne Garnier



SOINS PALLIATIES

L'aromathérapie en soins palliatifs au CHU d'Angers Expérience d'aromathérapie #2

avec le témoianage de Dr Hanane Besselièvre, Isabelle Martin, pharmacien, prix 2014 à l'hôpital St Nicolas d'Angers et de Rebecca



CANCÉROLOGIE

Aux Hôpitaux Civils de Colmar en cancérologie, l'aromathérapie soulage les patients des nausées.

La Fondation raconte les histoires d'aromathérapie de ses porteurs de projets avec des témojanages

FONDATION GATTEFOSSE

En 2008, le groupe Gattefossé créait une fondation d'entreprise d'intérêt général. Cette fondation rend hommage à l'un des dirigeants de l'entreprise, René-Maurice Gattefossé, qui fut le pionnier de l'aromathérapie scientifique moderne au début du XXème siècle. Son usage des huiles essentielles pour des applications médicales l'amena à découvrir les vertus antiseptiques de la lavande. Il sut convaincre ensuite le corps médical des hôpitaux lyonnais d'utiliser cette huile essentielle dans des formulations servant à lutter contre certaines infections de l'époque.

René-Maurice est l'auteur de nombreuses publications et est à l'origine du néologisme « aromathérapie », devenu un mot courant après la publication de son ouvrage du même nom en 1937.

Aujourd'hui, sur les pas de son grand-père, Sophie Gattefossé-Moyrand, Présidente de la Fondation Gattefossé, lui rend hommage en contribuant à faire valoir l'intérêt des huiles essentielles comme thérapie complémentaire à la médecine allopathique.

Au cœur de la médecine intégrative, la Fondation Gattefossé s'engage à développer l'aromathérapie clinique comme thérapie complémentaire au service du mieux-être des patients.

La Fondation agit en encourageant la recherche clinique, en favorisant la pratique en milieu hospitalier en France ainsi qu'en valorisant les praticiens de l'aromathérapie et leurs expériences cliniques.

Elle s'associe à l'écosystème de la santé intégrative et aux réseaux internationaux des associations professionnelles de l'aromathérapie clinique.



Rendu le 04 mai 2020

Matutina Stella

Promotion 2017-2020



Précautions d'utilisation

- La mauvaise utilisation de certaines huiles peut être mortel.
- Des interactions peuvent exister (médicaments, autres Huiles Essentielles), des effets neurotoxique, hépatotoxique ...peuvent exister.
- Une préparation spécifique est souvent requise, en fonction de ce qui est recherché.
- La posologie est importante car comme pour les médicaments, le dosage peut changer les effets.
- Par précaution, la majorité des Huiles sont déconseillés aux femmes enceintes et allaitante et aux jeunes enfants.



Le ciste Ladanifere (cistus labdaniferus)

)	

Propriétés	Indications	Contre-indications
 Hémostatique Cicatrisante Anti-virale Anti-bactérienne Anti-fongique Anti-inflammatoire Immuno-modulante Calmante 	 Petite plaie hémorragique Ulcères Escarres Épistaxis 	 Enfants Femmes enceintes Femmes allaitante Épileptogène à forte dose





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A.S. Oliveira et al.

Thymus mastichina (L.) L. and Cistus ladanifer L. for skin application: chemical characterization and in vitro bioactivity assessment

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- National Institute of Health, Environmental Health Department, Rua Alexandre Herculano 321, 4000-055, Porto, Portugal EPIUnit - Instituto de Saúde Pública da Universidade do Porto, Rua das Taipas 135, 4050-600, Porto, Portural



ARTICLEINFO

Antimicrobial activity

Cistus Indonifer L. Inflammation Wound healing

Thymus mastichina (L.) L

ABSTRACT

Ethnopharmacological relevance: Thymus mastichina (L.) L. (TM) and Cistus ladanifer L. (CL) are two Portuguese autochthonous species with traditional skin application in folk medicine. TM is majorly known for its antiseptic and wound healing properties, as an external anti-inflammatory agent and for its application in folk cosmetics and hygiene products. Its use in acne vulgaris has also been reported. CL is traditionally used in remedies for wounds, ulcers and other skin ailments such as psoriasis and eczema. Its application has been found useful due to its anti-inflammatory, astringent, wound healing and antiseptic properties.

Aim of the study: With this work, we aimed to investigate relevant bioactivities related with the traditional application of TM and CL essential oils (EOs) and hydrolates (by-products of EO production) in skin ailments. Specifically their in vitro antioxidant, anti-inflammatory, cytotoxic, wound healing and antimicrobial properties were evaluated. The chemical composition of both EOs and respective hydrolates was also characterized. Materials and methods: Chemical characterization of EOs and hydrolates was performed by GC-FID and GC-MS. Cellular biocompatibility was evaluated using the MTT assay in macrophages (RAW 264.7) and fibroblasts (L929) cell lines. Anti-inflammatory activity was investigated by studying nitric oxide (NO) production by macrophages with Griess reagent. Wound healing potential was evaluated with the scratch-wound assay. The antioxidant potential was studied by the DPPH scavenging method. Antimicrobial activity was evaluated by broth microdilution assay against relevant microbial strains and skin pathogens, namely Staphylococcus aureus, Staphylococcus epidermidis, Cutibacterium acnes, Pseudomonas aeruginosa, Escherichia coli, Candida albicans and Aspervillus brasiliensis.

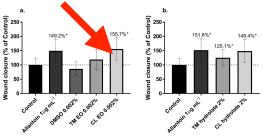
Results: The major compounds present in TM and CL EOs were 1,8-cineole and a-pinene, respectively. 1,8-cineole and E-pinocarveol were the major compounds in the correspondent hydrolates. CL EO presented the highest antiinflammatory potential [EC50 = 0.002% (v/v)], still with significant cytotoxicity [IC50 = 0.012% (v/v)]. TM preparations presented anti-inflammatory potential, also presenting higher biocompatibility. The same profile was present on fibroblasts regarding biocompatibility of the tested preparations. CL EO and hydrolate increased fibroblasts' migration by 155.7% and 148.4%, respectively. TM hydrolate presented a milder activity than CL hydrolate, but wound healing potential was still present, increasing cell migration by 125.1%. All preparations presented poor antioxidant capacity. CL EO presented higher antimicrobial activity, with MICs ranging from 0.06% (v/v) to 2% (v/v), against different microorganisms.

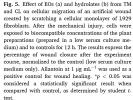
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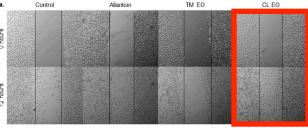
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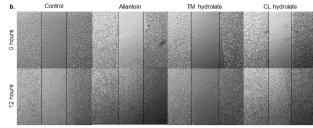


Fig. 6. Representative images of increased migration of fibroblasts when exposed to EOs (a) and hydrolates (b) from TM and CL. Allantoin (1 µg mL⁻¹) was included as a positive control for wound healing. Images were acquired at the beginning of the experiment (0 h) and after 12 h of exposure to different plant preparations and controls. Photographs were taken using an inverted microscope (Olympus Model IX51) with a 5 × 10 amplification.



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eme Édition

La myrrhe parfumée (commiphora guidottii)

Propriétés	Indications	Contre-indications
- Désclérosante	- Plaies atone	- Pas de toxicité connu aux
- Immunostimulante	- Ulcères	doses physiologique.
- Cicatrisante	- Cicatrice	
	- Escarres	







2015

Gebrehiwot et al. BMC Complementary and Alternative Medicine (2015) 15:282 DOI 10.1186/s12906-015-0813-2

Complementary & Alternative Medicine

RESEARCH ARTICLE

Open Access

Evaluation of the wound healing property of Commiphora quidottii Chiov. ex. Guid.

Michael Gebrehiwot¹, Kaleab Asres^{1*}, Daniel Bisrat¹, Avijit Mazumder², Peter Lindemann³ and Franz Bucar⁴

Background: The traditional use of the oleo-qum-resin of Commiphora quidottii Chiov. ex. Guid., which is commonly called scented myrth, for topical treatment of wound is well documented. The major objective of the present study was to investigate the essential oil and resin obtained from C. quidottii for their potential wound healing properties Due to their influence on the wound healing process, the anti-inflammatory and antimicrobial activities of scented myrrh have also been investigated.

Methods: Powdered oleo-gum-resin of C. quidottii was steam-distilled to obtain essential oil, and the resin was extracted from the marc with MeOH and filtered. The TLC fingerprint profile of the resin has been recorded by using silica gel GF254 as stationary phase. The essential oil components were identified and quantified by GC-MS. Ointments prepared from the essential oil (4 % v/w) and the resin (5 % w/w) were used for wound healing activity tests. Toxicity of the formulated ointments was investigated according to Draize skin irritation test. Acute anti-inflammatory effect in mice was evaluated using carrageenan induced mouse hind paw oedema model. Antimicrobial activity tests were carried out using disk diffusion and broth dilution techniques against 21 pathogenic bacterial and 4 fungal strains.

Results: Ointment formulations of both the oil and resin were found to be non-irritant at the concentrations used and showed significant (p < 0.05-0.001) increase in wound contraction rate, shorter epithelization time and higher skin breaking strength as compared to the negative control. Overall, the antibacterial and antifungal activities of the oil and resin were comparable with the standard antibiotics ciprofloxacin and griseofulvin, respectively.

Conclusion: The results confirm that scented myrrh possesses genuine wound healing activity supporting the traditional use of the plant

Keywords: Commiphora quidottii, Essential oil, Resin, Wound healing, Anti-Inflammatory, Antimicrobial

The skin being a protective barrier against the outside ment of wounds and skin disorders, which is a very high world, any break to it must be rapidly and efficiently figure as compared to only 1-3 % of modern drugs [5]. mended [1]. When acute wound healing does not progress in an orderly and timely manner, complications can occur; is a shrub or tree growing up to 5 m tall; has greenish or incisions can dehisce; hernias can form; anastomoses can brownish peeling bark and is native to Ethiopia and leak; and fistulae can develop [2]. Many of the available Somalia. It is fairly widespread in Somalia and in adjadrugs for wound management are not only expensive but cent parts of Ogaden in Ethiopia. Its vernacular name is also pose problems such as allergy and drug resistance [3, 4). By and large, phytomedicines for wound healing are not in all areas where it is distributed. However, in Central only cheap and affordable, but are also safe. Thus, one- Somalia it is also known as "dunkaal". The oleo-gum-

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third of all traditional medicines in use are for the treat-

Commiphora guidottii Chiov. ex. Guid. (Burseraceae) "hadi" (sometimes spelled "hedi" or "hethi" by collectors) resin of C. gudottii, which is otherwise known as scented myrrh, is commonly called "habakhadi" in Somalia and "abeked" (Amharic) in Ethiopia [6], where it is added to cattle feed to improve milk production. The Somali

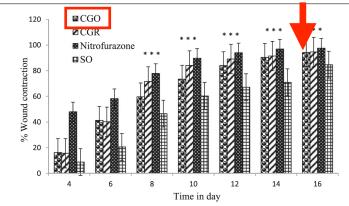


Fig. 2 Percentage contraction of the wound of animals treated with ointments containing 4 % (v/w) essential oil or 5 % (w/w) resin of Commiphora quidottii (*Significant (p < 0.05); CGO: C. quidottii essential oil; CGR: C. quidottii resin; SO: Simple ointment)

Table 3 Effect of topical application of ointments containing 4 % (v/w) essential oil or 5 % (w/w) resin of Commiphora guidottiion wound epithelization period of excision wound model in comparison with nitrofurazone and simple ointments

Group	Period of epithelization (day)	
Essential oil	22.42 ± 0.61*	
Resin	$23.50 \pm 0.72^*$	
Nitrofurazone	$20.67 \pm 0.33^{**}$	
Simple ointment	25.67 ± 0.42	

^{*}The mean value is significant (p < 0.01) and (p < 0.001) when compared with simple ointment treated group; N = 6; Results are expressed as mean \pm SEM





La Lavande aspic (Lavendula latifolia)

Propriétés	Indications	Contre-indications
- Cicatrisante	- Brûlure (coup de soleil)	- Femmes enceintes
- Antalgique	- Mycose	- Femmes allaitante
- Anti-infectieuse	- Psoriasis	- Enfants de moins de 6 ans
- Anti-fongique	- Ulcères	
- Anti-inflammatoire	- Escarres	
	- Piqures d'insectes	





eme Édition

2016

Mori et al. BMC Complementary and Alternative Medicine (2016) 16:144 DOI 10.1186/s12906-016-1128-7

BMC Complementary and Alternative Medicine

DESEADOH ADTICL

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Wound healing potential of lavender oil by acceleration of granulation and wound contraction through induction of TGF- β in a rat model

Hiroko-Miyuki Mori^{1,2}, Hiroshi Kawanami¹, Hirohisa Kawahata¹ and Motokuni Aoki^{1*}

Abstract

Background: Although previous studies have suggested that lavender oil promote wound healing, no study has examined the molecular mechanisms of its effect. In this study, we investigated the effect of lavender oil on various steps of wound healing and its molecular mechanism, focusing on transforming growth factor-§ (TGF-§).

Methods: Circular full-thickness skin wounds were produced on rats. Control solution or lavender oil was topically applied to the wounds on alternating days for 14 days.

Results: The area of wounds topically treated with lavender oil was significantly decreased as compared to that of wounds of control rat as 4 e. 6, 8, and 10 days after wounding. Topical application of lavender oil induced expression of type I and III collagen at 4 days after wounding, accompanied by an increased number of fitnobiast, which synthesize collagen, induced expression of type III collagen by topical application of lavender oil was reduced to control level at 7 days after wounding although increased expression of type II collagen still continued even at 7 days, suggesting application per lapticement from type III to type III in wounds treated with lavender oil. Importantly, expression of TG-F 6 in wounds treated with lavender oil was significantly increased as compared to control. Moreove an increased number of myofilobolasts was observed in wounds treated with lavender oil at 4 days after wounding, suggesting promotion of differentiation of fibroblasts through induction of TG-F₀, which is needed for wound contraction.

Conclusion: This study demonstrated that topical application of lavender oil promoted collagen synthesis and differentiation of fibroblasts, accompanied by up-regulation of TGF-B. These data suggests that lavender oil has the potential to promote wound healing in the early phase by acceleration of formation of granulation tissue remodeling by collagen replacement and wound contraction through up-regulation of TGF-B. The bender effect of lavender oil on wound healing may raise the possibility of new approaches as complementary treatment besides conventional therapy.

Keywords: Complementary and alternative medicine, Lavender oil, Wound healing, TGF-β, Collagen

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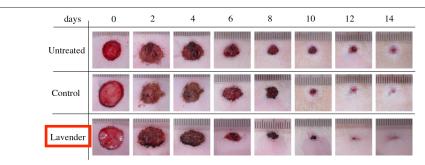


Fig. 1 Representative photographs of transition of wound closure in rat model. Untreated; wound surgery only, Control; wound topically treated with control solution containing 0.1 % DMSO and Tween 20, Lavender; wound topically treated with 1 % lavender oil dissolved in control solution

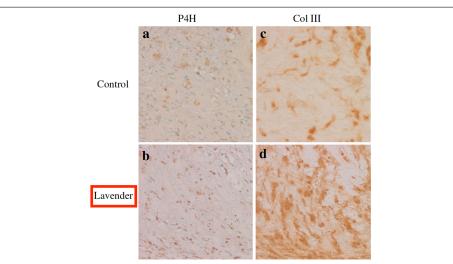


Fig. 3. Representative photomicrographs of immunohistochemical studies, a, b Immunohistochemical staining for P4H at 4 days after wounding, c, d Immunohistochemical staining for ryell at collagen at 4 days after wounding. Magnification; x 100. Control; wound topically treated with 1 ontrol solution containing 0.1 % DMSO and Tween 20, Lavender, wound topically treated with 1 % lavender oil dissolved in control solution



Quelques Huiles Essentielles Cicatrisantes

Huiles Essentielles	Nom latin
Beaume du Pérou	Myroxylon balsamum
Carotte	Daucus carota
Elemi de manille	Canarium luzonicum
Encens	Boswellia carterii
Géranium Bourbon	Pelargonium asperum
Lavande fine	Lavandula angustifolia
Ledon du Groenland	Ledum groenlandicum
Myrrhe amère	Commiphora myrrha
Sang du dragon	Croton lechleri





Formation en aromathérapie



Ecole Française d'Aromathérapie Intégrative - EFAI

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Merci pour votre attention



