

一、前言

此次訂定的主題為一種用來黏合傷口的黏合膠(如下圖)，決定於這個主題的動機為暑假時，去日本旅遊，在藥妝店裡發現一種類似凝膠劑型的外用軟膏，不知道其中文名稱，只大概聽說其用途為外傷傷口的保護，有防水及黏合止血功能，聽說非常實用。



記得前陣子曾聽聞體壇職棒選手用三秒膠黏合傷口事件，選手受傷流血不止，但為了打完比賽，用三秒膠將裂開的傷口黏合，引起很大的爭議，若當時使用此藥品可能就能解決當前的問題也不會引發醫療爭議，但在台灣好像沒有看過類似商品，也很少有相關訊息，因此想要藉由新學到的資料查詢工具了解更多關於此種藥品的相關資料。

二、實際操作測試

在一般網站查到的資料大多是一般民眾的網路文章、使用心得，很難查到進一步較專業的資訊(例如成分、安全資料等)。而用新學到的軟體查詢則能得到更詳細資訊。

Patent Number	Title	Date
US20080226720A1	Wound Healing Composition	2008-09-18
US20080193507A1	Wound Healing Profile	2008-08-14
US20070142287A1	Compositions And Methods For Treatment Of Cancer	2007-06-21
EP2000119A1	Wound dressings	2008-12-10
KR2011027434A	COMPOSITION FOR FORMING A WATER-REPELLENT FILM, WHICH ENALBES SUSTAINED RELEASE OF A DRUG	2011-03-16
RU2381810C1	WOUND-HEALING GEL BALM	2010-02-20
RU2322996C2	WOUND-HEALING BIOPREPARATION AS GEL	2008-04-27

一開始查詢 wound healing gel 但查詢到的結果並不是非常符合，之後用老師在上課講解之方法，加入一些不同關鍵字查詢，即得到所需資料。

The screenshot shows the Thomson Innovation search results page. The search term is 'wound healing gel'. The results list 21 records out of 81,018,623 searched. The first record is US20070142804A1, titled 'Hollow-core fibers', published on 2007-06-21. Other records include EP1487506B1, WO2011077281A2, WO2010001290A2, WO2009060327A2, WO2009047663A2, and WO2009047655A2. The interface includes navigation options like 'Save', 'Alerts', and 'Marked List', and a sidebar with 'Search', 'My Account', and 'Support'.

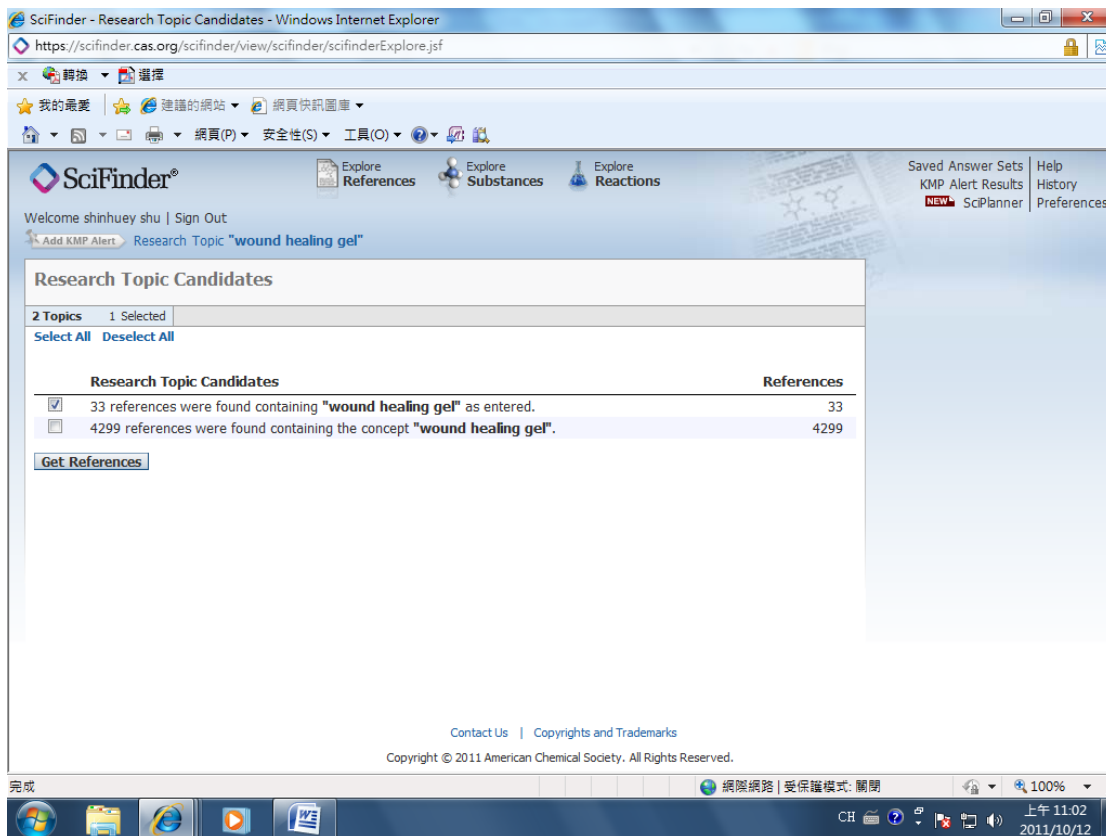
The screenshot shows the record view page for EP1487506B1. The title is 'PREPARATION FOR WOUND HEALING AND PREVENTION OF BANDAGE ADHESION TO THE WOUND'. The 'Bibliography' section includes the DWPI Title, Original Title, Assignee/Applicant (CPN SPOL S R O.), Inventor (VELEBNY Vladimir, SOBOTKA Lubos, PAVEK Stanislav, RUZICKOVA Jana), Publication Date (2007-04-04), and Application Number (EP2003704190A). The 'Abstract' section describes a preparation for wound healing containing a physiologically acceptable salt of hyaluronic acid, iodine, and potassium iodine. The 'Images(1)' section shows a thumbnail of the patent document. The interface includes navigation options like 'Add to Work File', 'Mark Record', and 'Watch Record'.

PREPARATION FOR WOUND HEALING AND PREVENTION OF BANDAGE ADHESION TO THE WOUND

查訊到一些關於成分知更詳細資訊

Abstract

Preparation for wound healing and prevention of adhesion to the wound containing a physiologically acceptable salt of hyaluronic acid, iodine and potassium iodine.



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Add KMP Alert Research Topic "wound healing gel"

Research Topic Candidates

2 Topics 1 Selected
Select All Deselect All

Research Topic Candidates	References
<input checked="" type="checkbox"/> 33 references were found containing "wound healing gel" as entered.	33
<input type="checkbox"/> 4299 references were found containing the concept "wound healing gel".	4299

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Add KMP Alert Research Topic "wound protect gel" > references (6)

References

6 References 0 Selected
Select All Deselect All Sort by: Accession Number
Answers per Page [20]
Display: [List Icon]

1. **Human lysozyme gel, and its preparation method and uses**
By Zhang, Hua
From Faming Zhuanli Shenqing Gongkai Shuomingshu (2005), CN 1709503 A 20051221. Language: Chinese, Database: CAPLUS
The invention provides a human lysozyme gel contg. human lysozyme 300-3,000,000 U/mL, wherein the human lysozyme is recombinant human lysozyme. The gel is prepd. by mixing human lysozyme with gel matrix, homogenizing at room temp., and making into gel form. The human lysozyme gel is applied externally to protect skin wound against infections caused by Staphylococcus aureus, Pseudomonas aeruginosa, Staphylococcus epidermidis, Propionibacterium strain, and other drug-resistant bacteria. The gel can form a skin film after applied to surface of skin wound, thus retention of drug in wound is pro...
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2. **Soft gel composed with chitosan and gelatin**
By Kim, Min Jo; Kim, Won Gi; Park, Bong Guk; Son, Tae Won
From Repub. Korean Kongkae Taeho Kongbo (2001), KR 2001016482 A 20010305. Language: Korean, Database: CAPLUS
A soft gel composed with chitosan, gelatin and water as main ingredients is provided, which has adequate adhesiveness to remove easily, shows water-soly., bioaffinity, biodegradability, antibiosis, and can absorb exudate from wound, so can be used with medicines to protect human wound and to help treatment of the wound. The soft gel is manufd. by the following four steps: (1) adding gelatin originated from meats to water at 60 to form gelatin soln., adding 0.1-5% of org. acid (such as acetic acid, lactic acid, formic acid, glycolic acid, acrylic acid, propionic acid, succinic acid, oxalic aci...
Substances Reactions ~1 Citing Full Text Link 0 Comments 0 Tags

3. **Methods of using a butylurea gel composition for the treatment and prevention of infections**
By Rubinstein, Arye

Analysis Refine
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Click bar to view only those references within the current answer set

Anderson Ciambor F	1
Fischer Herbert	1
Foster L J R	1
Kickhoefer Botho	1
Kim Min Jo	1
Kim Won Gi	1
Park Bong Guk	1
Rubinstein Arye	1
Son Tae Won	1

1. Human lysozyme gel, and its preparation method and uses

By: Zhang, Hua

Assignee: Peop. Rep. China

The invention provides a human lysozyme gel contg. human lysozyme 300-3,000,000 U/mL, wherein the human lysozyme is recombinant human lysozyme. The gel is prepd. by mixing human lysozyme with gel matrix, homogenizing at room temp., and making into gel form. The human lysozyme gel is applied externally to protect skin wound against infections caused by Staphylococcus aureus, Pseudomonas aeruginosa, Staphylococcus epidermidis, Propionibacterium strain, and other drug-resistant bacteria. The gel can form a thin film after applied to surface of skin wound, thus retention of drug in wound is prolonged and therapeutic effect is improved.

2. Soft gel composed with chitosan and gelatin

By: Kim, Min Jo; Kim, Won Gi; Park, Bong Guk; Son, Tae Won

Assignee: S. Korea

A soft gel composed with chitosan, gelatin and water as main ingredients is provided, which has adequate adhesiveness to remove easily, shows water-soly., bioaffinity, biodegradability, antibiosis, and can absorb exudate from wound, so can be used with medicines to protect human wound and to help treatment of the wound. The soft gel is manufd. by the following four steps: (1) adding gelatin originated from meats to water at 60 to form gelatin soln., adding 0.1-5% of org. acid (such as acetic acid, lactic acid, formic acid, glycolic acid, acrylic acid, propionic acid, succinic acid, oxalic acid, ascorbic acid, gluconic acid, tartaric acid, maleic acid, citric acid, glutamic acid), adding 1-30% of chitosan and shaking for an hour to obtain a fluid soln. contg. chitosan and gelatin as main ingredients; (2) quenching the fluid soln. to 20 to get solidified gel which can be molded easily; (3) forming the solidified gel at 60 into a film using a film-molder and quenching under 20 to produce a soft film; (4) drying the solidified gel film at 30 for 12h to get water-sol. solid film.

3. Methods of using a butylurea gel composition for the treatment and prevention of infections

By: Rubinstein, Arye

Assignee: Albert Einstein College of Medicine of Yeshiva University, USA

Methods are provided for using a compn. comprising butylurea and a polymer gel. The methods comprise the use of a polymer gel compn. applied to a wound as a pre-crosslinked polymer gel, or as a compn. which is applied to the wound and thereafter polymd. by the addn. of a crosslinking agent to the compn. The polymer gel compn. is designed to treat viral, bacterial, and fungal infections assocd. with wounds, to prevent infection of wounds by infectious agents, and to help protect wounds from phys. trauma.

三、學習心得:

一直以來對資料查詢這部分的知識雖然了解不多，但在做報告或碰到需要專業資訊時，通常都會先找尋較可靠的網站，如 **pubmed**、全國博碩士論文網及一些期刊查詢網站，如果資料不足或是查詢有困難才會不得已在一般的搜尋網站查詢，再從許多結果中過濾出自認為較可靠的資料，然而，論文資料並不時常符合需求，從一般網站過濾也需要花費許多時間。**SciFinder** 資料庫中的資料有專業團隊認證且每天更新，不僅能免去使用者過濾資料的麻煩，還能查詢到最近期的資訊。在搜尋資料方面也提供了許多新方法，最讓我感到實用的，是它能用化學物質的結構式去查詢相關資料，這是以往所使用過的搜尋網站都沒有的功能，只要有化學結構式，就能了解其名稱及已知功能、來源還有製備方法，這套整合查詢系統有別於一般論文資料，對真正在做實驗及了解藥物合成原理上有很大助益。整理與輸出的功能也讓此套資料庫軟體的使用不僅僅局限在查詢資料，還能製作成個人化檔案，依照自己的需求製成圖表。此次課堂上學習的 **SciFinder** 資料庫使我對資料查詢的方法有更深一層的認識，並提供了我一項獲得可靠資訊的新選擇，能善用此工具，將對於往後學習新知以及搜尋資料作業上有相當大的幫助。

Thomson innovation 是一個提供許多新資料及專利資料的實用網站，此網站相較於 **SciFinder** 較著重於各專利發表之成品或方法之追溯，透過其資料庫可以查詢一個專利在不同國家的申請情形和引用資料，內建還有整理的軟體(雖然學校可使用的並不非常齊全)可以將一個資料的上游及下游資料群分門別類，甚至整理成點狀圖等非常有助於理解，對於各領域的發展趨勢也能一目瞭然。若之後走研究路線或開發產品，此工具必能對申請專利級及市場分析有很大幫助。對於現在我們查詢資料若碰到資料不足等問題，也可以利用此來搜尋範圍更大的同領域資料，甚至做許多延伸。