

Global Insulin Patch Market Opportunity Analysis

<https://marketpublishers.com/r/G21D299F39CEN.html>

Date: May 2015

Pages: 75

Price: US\$ 1,800.00 (Single User License)

ID: G21D299F39CEN

Abstracts

Please note: extra shipping charges are applied when purchasing Hard Copy License depending on the location.

Transdermal drug delivery is one of the oldest methods that have been used by physicians to alleviate patients' medical condition. Patches are recent inventions of pharmaceutical companies for those patient populations who can't be administered with conventional drugs. They are applied over the skin from which drug is released in controlled manner followed by entry into the body. Topical drugs are also applied on skin but their effect is local and they do not become systemic. Over the years, several modalities for transfer of insulin have been developed by investigators. They have several benefits but they are not as beneficial as insulin patches due to limited number of pharmacological and commercial benefits. Insulin patches are new extension in the field of transdermal patches which are still under development.

Insulin patch development and commercialization is a challenging process along with high enthusiastic levels due to their novelty. Numerous patches containing different formulations for different indications have been introduced in global market. First patch was introduced in late 1970s so this market segment could be considered as emerging entity as compared to other disease categories. Despite this fact, they have made significant progress due to technological advancements which allows them to offer superior pharmacological benefits. They are available for limited number of indication due to which large unmet medical necessities have yet to be fulfilled. This situation shows significant marketing opportunities in this segment as there is lack of competition and several indications are left for churning significant revenues. Diabetes segment also falls in such category which has yet to be explored and pharmaceutical companies have increased their efforts to come forth with effective insulin patches.

Highly advanced technology like ultrasound and iontophoresis are being used for the development of modern insulin patches. Depending upon the type of technique, their

prices may vary which may be out of reach of several patients. In long-term, it would be considered as inexpensive but high upfront cost may deter some diabetic patients. Benefits like greater control over blood glucose levels and ease of utilization are one of the most significant benefits of these technologies. It is expected that investigators would also explore the techniques like electroporation, thermal ablation and microdermabrasion for making insulin patches. These techniques are expected to increase the cost effectiveness due to which their market penetration would increase. In coming years, it is expected that investigators would be able to come forth with insulin patches having higher pharmacological benefits with lesser prices. Besides this, newer modalities are also expected to be developed due to which more sales are expected to be generated.

Development of insulin patches are expected to pave the path for the development of large molecule based transdermal patches. This is going to be a major technological success due to which large number of patients would get more therapeutic benefits. Due to increased indications, more revenues are expected to generate from this field. Both molecules and formulations have to be revisited that will lead to new innovations. Moreover, pharmaceutical companies engaged in the production of insulin patches may venture in other diseases segment by using same technology. Insulin patches have yet not made place in global market but they will definitely encourage the other pharmaceutical companies to follow the lead. Pharmaceutical companies are expected to launch the first insulin patch in global market in next few years.

'Global Insulin Patch Market Opportunity Analysis' Report Highlights:

Introduction to Insulin Patch

Mechanism Iontophoresis, Ultrasonic & Microneedle Insulin Patch

Global Insulin Patch Market Analysis

Global Insulin Patch Clinical Pipeline by Company, Indication & Phase

Global Insulin Patch Clinical Pipeline: 9 Patches

Highest Phase of Insulin Patch Development: Phase-II

Insulin Patch Patent Analysis

Contents

1. INTRODUCTION TO INSULIN PATCH

2. COMPARISON BETWEEN INSULIN PATCHES & OTHER INSULIN MODALITIES

3. MECHANISM OF INSULIN PATCHES

3.1 Iontophoresis Transdermal Insulin Delivery Patch

3.2 Ultrasonic Transdermal Insulin Delivery Patch

3.3 Microneedle Transdermal Insulin Delivery Patch

4. EMERGING TRENDS IN INSULIN DELIVERY

4.1 Oral Insulin

4.2 Insulin Chewing Gum

4.3 Inhalable Insulin

4.4 Insulin Pumps and Patch Pump

4.5 Nanoparticle Insulin Delivery

5. GLOBAL INSULIN PATCH MARKET ANALYSIS

5.1 Current Scenario

5.2 Insulin Patch Clinical Pipeline Overview

6. GLOBAL INSULIN PATCH MARKET DYNAMICS

6.1 Favorable Market Parameters

6.2 Commercialization Challenges

7. FUTURE PROSPECTS OF INSULIN PATCH MARKET

8. GLOBAL INSULIN PATCH CLINICAL PIPELINE BY COMPANY, INDICATION & PHASE

8.1 Preclinical

8.2 Clinical

8.3 Phase-I

8.4 Phase-II

8.5 Phase-III

8.6 Preregistration

9. DISCONTINUED INSULIN PATCH IN CLINICAL PIPELINE

9.1 Discontinued

9.2 No Development Reported

10. COMPETITIVE LANDSCAPE

10.1 Dermisonics

10.2 Encapsulation Systems

10.3 Encapsulife

10.4 Mesoblast

10.5 NeurogesX

10.6 NOLabs AB

10.7 Novo Nordisk

10.8 Phosphagenics

10.9 Relmada Therapeutics

10.10 Zosano Pharma

List Of Figures

LIST OF FIGURES

- Figure 1-1: Benefits of Transdermal Insulin Patches
- Figure 1-2: Improvement Required for Transdermal Insulin Patches
- Figure 2-1: Necessity for Insulin Patches
- Figure 2-2: Pharmacological Benefits of Insulin Patches
- Figure 3-1: Types of Transdermal Patches
- Figure 3-2: Requirements for Ideal Insulin Transdermal Patch
- Figure 3-3: Benefits Observed During Clinical Trials
- Figure 3-4: Benefits of Insulin Iontophoresis Patches
- Figure 3-5: Consideration While Making Insulin Iontophoresis Patch
- Figure 3-6: Mechanism of Iontophoresis Patches
- Figure 3-7: Mechanism of Transdermal Ultrasonic Transfer
- Figure 3-8: Benefits of Ultrasound Insulin Transfer
- Figure 3-9: Mechanism of U-Strip
- Figure 3-10: Benefits of Microneedles
- Figure 3-11: Types of Microneedles
- Figure 3-12: Mechanism of Microneedles
- Figure 4-1: Different Modalities Insulin Transfer
- Figure 5-1: Projected increase in diabetes cases
- Figure 5-2: Insulin Patch Pipeline by Phase (%), 2015
- Figure 5-3: Insulin Patch Pipeline by Phase (Number), 2015
- Figure 5-4: Discontinued Insulin Patch Pipeline by Phase (%), 2015
- Figure 5-5: Discontinued Insulin Patch Pipeline by Phase (Number), 2015
- Figure 6-1: Global Insulin Patch Market Favorable Parameters
- Figure 6-2: Global Insulin Patch Market Commercialization Challenges

List Of Tables

LIST OF TABLES

Table 2-1: Comparison between Oral Insulin & Insulin Patch

Table 2-2: Comparison between Chewing Gum Insulin & Insulin Patch

Table 2-3: Comparison between Inhalable Insulin & Insulin Patch

Table 2-4: Comparison between Insulin Pump & Insulin Patches

Table 2-5: Comparison between Nanoparticle Insulin Products & Insulin Patches

Table 3-1: Comparative Analysis of Different Transdermal Insulin Patches

Table 4-1: Few Non-Conventional Insulin Products

I would like to order

Product name: Global Insulin Patch Market Opportunity Analysis

Product link: <https://marketpublishers.com/r/G21D299F39CEN.html>

Price: US\$ 1,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G21D299F39CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970