

ANTI-DANDRUFF TREATMENT

Assessment of Clinical Effectiveness
on subjects diagnostically suffered by
scalp Seborrheic Dermatitis:
(itching, desquamation, erythema and dehydration)
performed by the
UNIVERSITY OF SIENA
Institute of Dermosifilopatic Clinic
Director: Prof. Lucio Andreassi

VB® Introduction

VB® Anti-Dandruff Solution has been subjected in University Seat to the assessment of its clinical effectiveness, not only for dandruff but, for everything which concern the classic symptomatology of scalp Seborrheic Dermatitis, as for example: itching, desquamation, erythema and dehydration that is well known that frequently go with the Scalp Seborrheic Dermatitis.

The **VB® Research Group**, was so sure about the Clinical Effectiveness of this product that, to demonstrate its Multifunctionality, during the Clinical Tests performed in University Seat, instead of washing hair with a shampoo combined with Anti-Dandruff solution, decided to test it washing hair with VB® Bathing Foam and treating scalp with VB® Anti-Dandruff Solution.

So, **the Clinical Tests performed in University Seat, not only have confirmed the VB® Anti-Dandruff Solution Clinical effectiveness** in caring scalp Seborrhea, but have also underlined the **Exceptional Multifunctional Features** of this product, because the **VB® Anti-Dandruff Solution**, perfectly **Compatible and Combinable with all the VB® Shampoos**, has also shown in University Seat, to be perfectly **Compatible and Combinable even with the VB® Bathing Foams**, exceptionally extending its already well known features of **proved Multifunctionality**.

* Abstract

Upon proposal of **Villa Borghini®** Industry, has been performed by our University Clinic an experimentation aimed to assess the **activity** of **VB® Anti-Dandruff Solution**, together with the hair washing made with VB® Hair and Body Bathing Foam.

PURPOSE OF THE SURVEY

This survey aims to assess and establish the Clinical Effectiveness and the Tolerability of VB® Anti-Dandruff Solution in **Pityriasis Capitis (scalp Seborrheic Dermatitis)**.

Clinical Survey have been performed on subjects of age between 15 and 50 years old suffered by Pityriasis Capitis, detected in Laboratory by suitable Clinical Parameters.

All the patients have been subjected to this Clinical Survey for a 30 days period, during which have been performed Clinical and Laboratory controls at basal time, after 15 days and after 30 days.

LENGHT OF THE CLINICAL SURVEY AND USE OF PRODUCTS

All the patients have been subjected to this Clinical Assessment **three times per week for the whole 30 days period**, in the following way:

1 – make a first hair and scalp washing with VB® Bathing Foam and massage until obtain a durable and rich foam.

Then, rinse off hair and scalp thoroughly.

2 – apply 15 ml VB® Anti-Dandruff Mono-Dose, paying attention to distribute it well all over the scalp and maintain it in contact for the exposure time of **5/7 minutes**.

Then, rinse off hair and scalp thoroughly and blot with a towel.

3 – make a second hair and scalp washing with VB® Bathing Foam, and massage until obtain a durable and rich foam.

Then, rinse off hair and scalp thoroughly.

SCHEDULE 1

average values of all the Patients subjected to the Clinical Survey

	before ▼	after 15 days ▼	after 30 days ▼
itching	33	7	0
desquamation	38	8	2
erythema	16	7	1

SCHEDULE 2

average corneometric values of all the Patients
for the assessment of scalp hydration increase

	before ▼	after 15 days ▼	after 30 days ▼
Average values of scalp Hydration	51,33	58,86	68,40

VB® Anti-Dandruff Treatment has been able, only in 30 days,
to **increase the scalp hydration of 17,07** Corneometric Unities

VB® Anti-dandruff Solution

Clinical Assessment of Safety
according to the Strict Clinical-Pharmacological
provided by the Repeated Insult Patch Test
performed by the
UNIVERSITY OF SIENA
Institute of Dermosifilopatic Clinic
Director: Prof. Lucio Andreassi

* Abstract

VB® Anti-Dandruff Solution
Is certified that the product analyzed by this survey
is **incapable of evoking irritative or allergic reactions**
detectable using the **Repeated Insult Patch Test**

Final Clinical Opinion

* Abstract

Analyzed signs and symptoms, have shown a **clear improvement of the pathological conditions od scalp Seborrheic Dermatitis**, already assessable after 15 days and even more evident after 30 days of this Clinical Survey:

- in particular, (**look at SCHEDULE 1**) the itching is changed from a starting value of 33 to a final value of 0,00 and so the **scalp itching has been set to zero**;
- desquamation is changed from a starting value of 38 to a final value of 2. This shows an **important scalp desquamation decrease of 36 points**;
- erythema, changing from an initial value of 16 to a final value of 1, is clearly improved;
- moreover, (**look at SCHEDULE 2**) has been also assessed and confirmed, by the instrumental data for measuring corneometric values, an important increase of scalp hydration. The scalp hydration is changed from a starting value of 51,33 to a final value of 68,40 with an increase of scalp hydration of 17,07 Corneometric Unities.

The Corneometric Unities value, represents the water content in the scalp corneum stratum and is strictly connected with its integrity.

For this reason, **an important increase of the scalp hydration**, must be considered **particularly Clinically Relevant** relating to the integrity and consequently to the same **scalp health status**.

In conclusion, we can say that the **VB® Anti-Dandruff Solution**, is **Clinically efficient in care of seborrheic dermatitis**, both for the **setting to zero of the itching**, and for the **strong dandruff decrease**, both for the **important erythema improvement** and for the **increase of scalp hydration**.

Is clinically very important, since is really rare thing for the products aimed to the care of seborrheic dermatitis, the fact that **VB® Anti-Dandruff Solution** has passed the **Strict test for Safety** named **Repeated Insult Patch Test**, resulting as **incapable of evoking irritative or allergic reactions**.

University of Siena
Institute of Dermosifilopatic Clinic
Director: Prof. Lucio Andreassi