

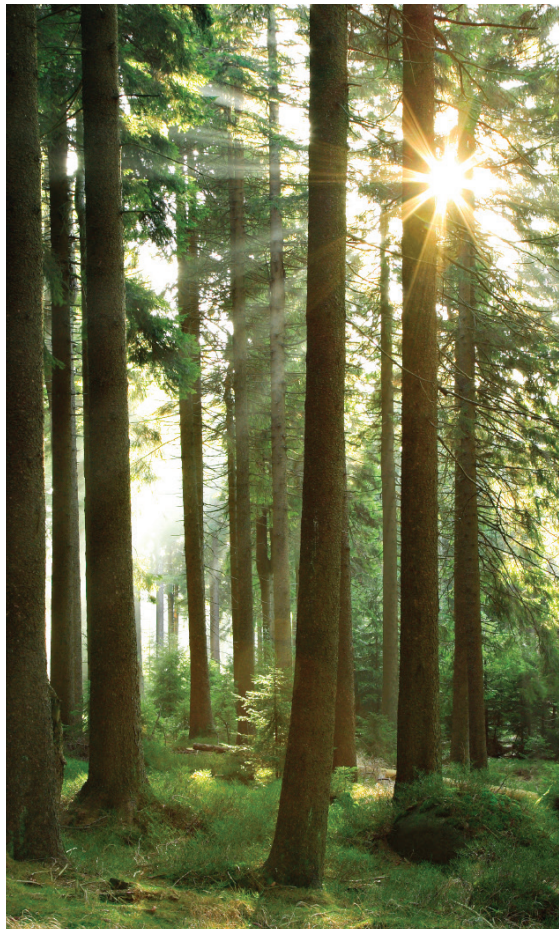
Repolar Pharmaceuticals Our Story

In 2000, Dr Arno Sipponen, a GP in Lapland wondered how the locals were so successfully treating wounds with a homemade salve based on Norwegian Spruce Resin. Further research found that this resin had a long history, with the first descriptions of the formulation going back well over 400 years.

He was so interested in the subject that he formed a cross-functional research team to study this remedy with his father, who was chief of the clinical department of clinical pathology at the Helsinki University Central Hospital. The studies proved that a modern resin salve had a number of key characteristics which would ultimately lead to the development of a patented water based resin products.

“The trees are not harmed during this process.”

“When a tree gets a wound, a branch is torn, or winter breaks the cover of the tree, it produces resin to heal itself. Our studies are the result of nature’s own research into all the bacteria, fungus, yeast etc. that live in forests. A tree needs to protect itself and resin is it’s unique defence mechanism.”



The properties of Norwegian Spruce Resin

Scientific research found the following characteristics which were contributing to the wound-healing properties of the salve:

Antimicrobial

- Affects cell walls and prevents mitosis and cell energy production (ATP)
- Strongly antimicrobial against wide range of bacteria and fungi including multi resistant bacteria:
 - MRSA (Methicillin-Resistant Staphylococcus aureus)
 - MRSP (Methicillin-resistant Staphylococcus pseudintermedius)
 - VRE (Vancomycin-Resistant Enterococci)
- Does not induce resistant microbe strains
- Eradicates already existing biofilm

Calms Inflammation

- Influences cell cytokine expression during *in vitro* tests

Repairs Damaged Skin

- Enhances skin re-epithelialisation
- Heals skin ulcers effectively in clinical trials
- Reduces scar formation due to impact on keloids

Based on this research, Repolar was founded in 2006 by a family of scientists and doctors, with all of the company’s products being based on careful, multidisciplinary scientific research. Repolar is ISO 13485 certified.

The first two products developed for human use were **Abilar® Resin Salve** for management of many types of wounds and **Abicin® Resin Lacquer** for treating fungal nail infections and paronychia. These products were launched in Finland in 2008 and are now used both by professionals and in home care settings across Europe.

Repolar’s patented water based resin technology has led to the creation of a wide range of products to benefit both human and animal health:

Resolain® Scalp Tonic – a soothing tonic for the treatment of sensitive, itchy and irritated skin on the scalp that can be caused by a multitude of factors.

AbiCare® Crème – a naturally soothing and moisturizing cream for skin irritation. It has a very light texture and is ideal to use on mild eczema, rashes, insect bites, spots and other irritated small skin areas.

AniVox®, AniWipe® AniDes® and AniLavo®
- A range of products for animals.

- Natural products based on Norwegian Spruce Resin is harvested from Finnish Lapland without harming the trees
- No cortisone, No parabens, No preservatives – active ingredients are 100% natural
- Scientifically proven efficacy

10/2018



HEALTH FROM NORTHERN NATURE

Repolar Pharmaceuticals has developed and patented a unique technology that captures the active ingredients of Norway spruce resin that benefit wound healing and skin recovery. It has led us to create a wide range of products to benefit both human and animal health. All our products are naturally antimicrobial against wide range of bacteria and fungi.

“When a tree gets a wound, a branch is torn, or winter breaks the cover of the tree, it produces resin to heal itself. Our studies are the result of nature’s own research into all the bacteria, fungus, yeast etc. that live in forests. A tree needs to protect itself and resin is its unique defense mechanism.” – Arno Sipponen MD PhD

A NATURAL ALTERNATIVE
SCIENTIFICALLY PROVEN EFFICACY

REPOLAR
PHARMACEUTICALS

CE-marked medical device for all kinds of wounds and burns.
A necessity in all home medicine cabinets.



ABILAR® 10% RESIN SALVE

Abilar® 10% Resin Salve is easy to use on different kinds of wounds and abrasions. A small amount of the salve is spread directly onto the wound and the wound is then covered if necessary with a breathable dressing.

Abilar 10% Resin Salve can be used on acute or chronic wounds and wounds that are hard to heal. Abilar inhibits infections and aids in healing of infected wounds.

Indications:

- Acute wounds, scratches and abrasions
- Skin cracks and fissures (corner of the mouth, fingertips, heels)
- Insect bites
- Infected wounds
- Wounds that are hard to heal (pressure sores, leg ulcers, diabetic wounds)
- Paronychia
- Burn wounds

For the treatment of mild to moderate fungal nail infections.



ABICIN® 30% RESIN LACQUER

Abicin® 30% Resin Lacquer is an easy to use topical treatment for nail infections. For best results on thick nails we advise that before starting the treatment the thickness of the nail is reduced. This will aid in absorption so that the active ingredients will penetrate the nail through to the infected keratin layer. The nail can be thinned out by filing it yourself or visiting a podiatrist.

A thin layer of the lacquer is applied on the nail twice a week. It takes approximately 5-10 minutes for the lacquer to dry. Old layers of the lacquer should be removed fortnightly by gently filing the surface of the nail or using nail polish remover. Treating fungal nail disease may take up to 12 months depending on the nail growth rate. Treatment should be continued until a healthy nail has fully grown and all traces of the infection have gone.

Abicin® 30% Resin lacquer is strongly antifungal against the dermatophytes that cause 90% of fungal skin and nail infections.

For sensitive, irritated and itchy scalp.



RESOLAIN® SCALP TONIC

A soothing tonic for the treatment of sensitive, itchy and irritated skin on the scalp that can be caused by a multitude of factors. The effectiveness of the tonic is based on Repolar Pharmaceuticals patented Norway Spruce resin extract. It also contains conditioning and moisturizing agents like allantoin and panthenol. Resolain® Scalp Tonic does not make the hair greasy since it does not contain any oil or fat. It does not contain perfumes or colouring agents.

Resolain® Scalp Tonic is a "leave-on" product. It soothes and moisturizes dry, itchy, reddish and sensitive scalp. The tonic is dispensed by applying a small amount to the scalp with the help of the tapered nozzle and then massaged in until it's absorbed. Do not rinse. Resolain® Scalp Tonic can be used as needed on a daily basis and suits all hair types.

Soothing cream for irritated and itchy skin. Steroid free.



ABICARE® CRÈME

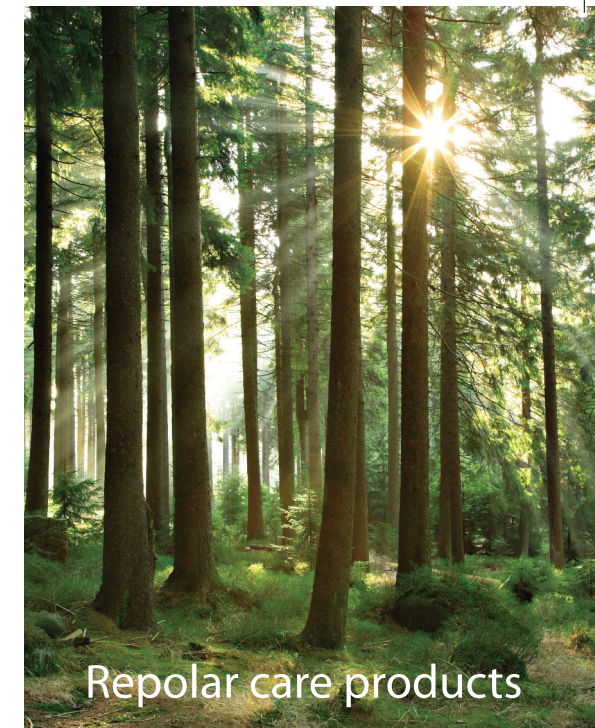
AbiCare® Crème is a naturally soothing and moisturizing cream for skin irritation. It has a very light texture and is ideal to use on mild eczema, rashes, insect bites, spots and other irritated small skin areas.

The emulsion cream's effectiveness is based on Repolar Pharmaceuticals patented Norway Spruce resin extract. The cream also contains vitamin-E which is a strong antioxidant and protects the skin from free radicals and environmental pollution. AbiCare® Crème is made from all natural ingredients to suit even the most sensitive skin types. The cream does not contain steroids.

Alcohol, paraben and fragrance free.

AbiCare® Crème is applied to the affected areas 1-3 times a day as needed.

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Repolar care products

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