

How to Get Dolphin-Smooth Skin

For skin care like a cetacean, you're going to need corals, sponges and the ability to hold your breath for a long time.

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Pharmacy in the sea: Dolphins 'use coral as medicine for skin ailments'

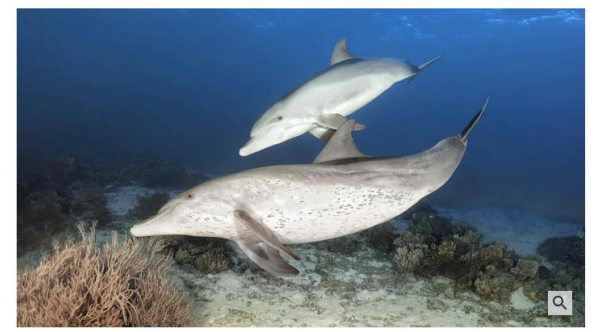


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Biologie > Delfine heilen Hautprobleme mit Korallen

Delfine in der Apotheke

20. Mai 2022, 15:26 Uhr | Lesezeit: 1 min



Eine Delfinmutter lehrt ihr Kalb, sich an einer Koralle zu reiben. Manche Korallen und Schwämme produzieren Wirkstoffe, die gegen Hautprobleme der Meeressäuger helfen. (Foto: Norbert Probst/imagoe images/imagebroker)

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These dolphins might be self-medicating

Animals rub against antibacterial corals and sponges, possibly to ward off skin infections

19 MAY 2022 · 11:00 AM · BY TESS JOOSSE



ANGELA ZILTENER

We're not the only creatures who pop a pill or slather on an ointment when we're ill or itchy. Chimpanzees swallow rough leaves to rid their intestines of parasites, for example, and some ants eat foods rich in hydrogen peroxide to expel fungal infections. Now, scientists might be adding dolphins to the list. Researchers have discovered that bottlenose dolphins in the Red Sea rub against corals and sponges that have medicinal properties, possibly to ward off pathogens that cause skin diseases.

HERAUSGEGEBEN VON GERALD BRAUNBERGER, JÜRGEN KAUBE, CARSTEN KNOP, BERTHOLD KOHLER

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So lösen Delfine ihre Hautprobleme

AKTUALISIERT AM 23.05.2022 - 20:03



Indopazifische Große Tümmler bekommen ebenso wie Menschen hin und wieder Hautausschlag. Sie werden ihn auf besondere Weise wieder los.

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Just What the Dolphin Ordered

Dolphins are rubbing themselves on metabolite-rich coral – could they be self-medicating?

Margot Lespade | 08/25/2022 | News



SWR Wissen



Apotheke unter Wasser – Delfine reiben sich an Korallen

VERHALTENS BIOLOGIE

STAND: 19.5.2022, 17:01 UHR VON PASCAL KISS

Teilen: Facebook, Twitter, Email

Delfine - die intelligenten Meeressäuger. Es gibt viele interessante Fakten über die Meerestiere, doch warum sich Delfine an bestimmten Korallen reiben war Forschenden lange unklar. Nun erlauben Biologinnen den Grund zu kennen.

Des dauphins soignent leur peau avec des coraux

Dans la mer Rouge, un groupe de dauphins se frottent régulièrement à des récifs coralliens. Ce comportement leur permettrait de soigner leur peau grâce au mucus des coraux, riche en molécules aux propriétés thérapeutiques



La peau de l'ailleron dorsal de ce grand dauphin montre des signes d'infection fongique. — © Angela Ziltener/UZH

Een onderwaterapotheek voor de langbektuimelaar?



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Dolphins use 'coral clinics' to treat skin infections

The marine mammals queue nose-to-tail and take turns to rub themselves against corals which release medicated mucus

By Sarah Knapton, SCIENCE EDITOR
19 May 2022 - 6:22pm

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The coral will see you now! Dolphins form orderly queues to use coral as medicine for skin ailments, study reveals

By Sam Tonkin For Mailonline
Updated: 20:38 20 May 2022



MEDIZIN IM TIERREICH

Delfine behandeln Hautprobleme mit Korallen selbst

Neue Studienergebnisse deuten darauf hin, dass bestimmte Delfine Hautprobleme selbst behandeln können, indem sie sich an Korallen und Schwämmen reiben. Besonders kurios: Die Tiere wurden dabei beobachtet, wie sie sich vor den „Korallenkliniken“ anstellen und warten, bis sie an der Reihe sind.

19. Mai 2022, 17.04 Uhr
Dieser Artikel ist älter als ein Jahr.

Tei

Bei Hautproblemen hilft oft nur der Weg zum Arzt und die Behandlung mit Salben oder anderen Medikamenten. Nicht nur Menschen leiden aber hin und wieder an Ausschlägen und Hautirritationen – auch Delfine haben damit manchmal zu kämpfen. Ein internationales Forscherteam um die Biologin **Angela Ziltener** von der Universität Zürich und die Chemikerin **Gertrud Morlock** von der Justus-Liebig-Universität Giessen hat das Verhalten der Meeresbewohner genauer unter die Lupe genommen und dabei Besonderes entdeckt. Das **Ergebnis** der Untersuchung präsentieren die Expertinnen und Experten aktuell im Fachjournal „iScience“.



Natuur & Milieu

Dolfijnen gebruiken koraal als medicijn



Dolfijnen doen aan zelfmedicatie bij huidandoeningen door langs te gaan bij 'koraalklinieken'. Dat stelt een nieuw onderzoek, dat ook de opmerkelijke manier waarop ze dat doen in beeld heeft gebracht.



Geert De Vriese
Meer artikelen van deze auteur

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Studie: Delfine nutzen bei Hautproblemen Korallen



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GERMAN

Heim » Forschungsergebnisse » Beobachten Sie, wie Delfine in Korallen-„Kliniken“ Schlange stehen, um Hautkrankheiten

Beobachten Sie, wie Delfine in Korallen-„Kliniken“ Schlange stehen, um Hautkrankheiten selbst zu behandeln

21. Mai 2022 Sarah Jonas Forschungsergebnisse

Beitragsaufrufe: 339

Wenn ein Mensch einen Ausschlag bekommt, geht er vielleicht zum Arzt und bekommt eine Salbe, die er darauf auftragen kann. Indopazifische Große Tümmler leiden ebenfalls unter Hauterkrankungen, aber sie bekommen ihre Medikamente, indem sie sich mit der Nase an den Schwanz anstellen und sich an Korallen reiben. In der Zeitschrift *iScience* vom 19. Mai zeigen Forscher, dass diese Korallen medizinische Eigenschaften haben, was darauf hindeutet, dass die Delfine die wirbellosen Meerestiere zur Behandlung von Hautkrankheiten nutzen.



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Tierwelt

Delfine holen sich ihre Medikamente bei Korallen

Delfine scheinen Selbstmedikation zu betreiben: Forschende haben Indopazifische Grosse Tümmler im Roten Meer beobachtet, die sich an ausgewählten Korallen reiben. Dies, um ihre Hautinfektionen zu pflegen und zu behandeln.

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Por qué los delfines hacen cola para frotarse contra los corales

Investigadores creen que utilizan los invertebrados como medicación para aliviar problemas de piel



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Science News

from research organization

Watch dolphins line up to self-medicate skin ailments at coral 'clinics'

Date: May 19, 2022

Source: Cell Press

Summary: If a human comes down with a rash, they might go to the doctor and come away with some ointment to put on it. Indo-Pacific bottlenose dolphins get skin conditions, too, but they come about their medication by queuing up nose-to-tail to rub themselves against corals. Researchers now show that these corals have medicinal properties, suggesting that the dolphins are using the marine invertebrates to medicate skin conditions.

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MEERESBIOLOGIE

Korallenschleim verhilft Delfinen zu reiner Haut

Auch Delfine haben hin und wieder Hautprobleme. Abhilfe schafft eine kratzige Hautpflege-Routine. Die ist so beliebt, dass die Säuger sogar Schlange stehen.

News
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Home > Dolphins maintain their pores and skin wholesome with coral physique scrubs

Skin Health

Dolphins maintain their pores and skin wholesome with coral physique scrubs

By Delly Bezoss 1 week ago

Within the waters of the Crimson Sea off the coast of Egypt, bottlenose dolphins have a extremely uncommon relationship with their reef habitat. Divers ceaselessly witness the marine mammals rubbing their faces and our bodies in opposition to sure corals and sponges, even ready in orderly strains to method the invertebrates.

"You get very excited to see that for the primary time," says Angela Ziltener, a wildlife biologist on the College of Zurich who has studied dolphins on this area for greater than a decade. When she initially witnessed the conduct, she questioned if the dolphins have been brushing up in opposition to the corals as a result of it merely felt good or if there was one thing extra to it.

To search out out, Ziltener and her collaborators analyzed tissue samples from the invertebrates. They recognized 17 chemical compounds that have been bioactive, or more likely to affect residing cells or tissues. This implies that rubbing in opposition to the corals and sponges would possibly really assist the dolphins maintain their pores and skin wholesome and struggle infections, the staff reported on May 19 within the journal *iScience*.

"These are potent lively compounds that we discovered," says Gertrud Morlock, an analytical chemist and meals scientist at Justus Liebig College Giessen in Germany and one other coauthor of the paper. Once they come into contact with the physique, she says, the coral compounds may fit equally to the antibacterial lotions folks placed on their pores and skin.

Anzeige

Wissen > Studie zeigt: Delfine nutzen bei Hautproblemen Korallen

STUDIE

Delfine reiben sich bei Hautproblemen an Korallen



Forschende beobachteten Delfine im Roten Meer vor Ägypten dabei, wie sie sich an ausgewählten Korallen und Schwämmen rieben und dafür auch in einer Reihe anstellten



News > Science

Dolphins use coral to treat skin problems, study suggests

Reefs are 'playgrounds and bedrooms' for the intelligent marine mammals, expert says

Stephen Beech • Thursday 19 May 2022 18:47 • Comments

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Delfine betreiben Hautpflege mit Korallen

20. Mai 2022 Diesen Artikel merken Meine Merkliste anzeigen



Delfinmutter mit ihrem Kalb an den "medizinischen" Korallen. © Angela Ziltener

Vorlesen

Im Roten Meer vor der Küste Ägyptens hat eine Wildtierbiologin Delfine beobachtet, die ein erstaunliches Verhalten an den Tag legen: Regelmäßig reiben sie sich an bestimmten Korallen – und stellen sich sogar hinter Artgenossen an, bis sie selbst an die Reihe kommen. Doch warum? Um diese Frage zu beantworten, haben die Forschenden Proben der von den Delfinen präferierten Korallen und Schwämme genommen und im Labor untersucht. Das Ergebnis: Durch

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Dolphins use coral to treat skin problems, study suggests



New footage shows dolphins queuing up to treat skin ailments at coral reef "clinics", in behaviour researchers say is the equivalent of humans showering after getting out of bed.

The intelligent mammals can be seen lining up nose-to-tail to scratch themselves against the outcroppings and the tactic has been detailed in a new study.

Researchers have now shown that the corals have medicinal properties, suggesting that the Indo-Pacific bottlenose dolphins are using the marine invertebrates to treat skin conditions.

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Dolphins were spotted doing something unusual. This study sheds light on it

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The coral will see you now! Dolphins form orderly queues to use coral as medicine for skin ailments, study reveals

- Some dolphins with skin conditions 'rub against coral with medicinal properties'
- According to study they're selective about which coral they use to self-medicate
- Experts were able to dive down with a pod to identify corals dolphins rubbed on
- Mucus of the corals is 'regulating dolphin skin's microbiome and treat infections'

By SAM TONKIN FOR MAILONLINE
 UPDATED: 20:36 BST, 20 May 2022

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Some dolphins with skin ailments use an ingenious solution to self-medicate, experts have found, after observing them forming an orderly queue to rub against coral.

The animals are selective about seeking out a particular type of coral which has medicinal properties in the mucus it releases, according to the study.

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PA Media: Science

Dolphins line up to self-medicate skin conditions with coral, research suggests

Nina Massey, PA Science Correspondent
 May 19, 2022 · 2 min read

A rash might send humans rushing to the pharmacy, but when some dolphins get skin conditions they queue up to rub themselves against coral with medicinal properties, new research suggests.

According to the study, the animals are selective about which coral they use to self-medicate.

Co-lead author Angela Ziltener, a wildlife biologist at the University of Zurich in Switzerland, first observed the dolphins rubbing against coral 13 years ago in the northern Red Sea, off the coast of Egypt.

She said: "I hadn't seen this coral rubbing behaviour described before, and it was clear that the dolphins knew exactly which coral they wanted to use.

"I thought, there must be a reason."

The researchers were able to dive down with the pod regularly and identify and sample the corals the dolphins were rubbing on.



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Wissenschaft

Studie: Delfine nutzen bei Hautproblemen Korallen

Von dpa

19.05.2022
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ANIMALS

Dolphins Rub against Mucus-Oozing Corals to Soothe Skin

This “gorgoning” releases antibacterial compounds and other substances that dolphins could be using to self-medicate

By Jack Tamisiea on May 19, 2022 عرض هذا باللغة العربية



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In the Red Sea off the coast of Egypt, bottlenose dolphins were spotted in 2009 doing something unusual. They lined up to rub their bodies against coral.

Posted 5:04 p.m. May 19, 2022 – Updated 6:29 p.m. May 19, 2022



Dolphins line up to self-medicate skin conditions with coral, research suggests

UK News | Published: May 19, 2022 | Last Updated: May 19, 2022

The animals were seen rubbing themselves against specific types of coral.

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NATURE ANIMALS

Watch Dolphins Take Turns Self-Medicating With Coral From Nature's Drugstore

RACHAEL FUNNELL
Digital Content Producer

Published May 19, 2022
3 Comments 6 Shares



MAY 23, 2022

CORAL CURES: [Watch dolphins line up to self-medicate skin ailments at coral “clinics.”](#) “When lead author Gertrud Morlock, an analytical chemist and food scientist at Justus Liebig University Giessen in Germany, and her team used planar separations combined with on-surface assays and high-resolution mass spectrometry to analyze samples of the gorgonian coral Rumphella aggregata, the leather coral Sarcophyton sp., and the sponge Ircinia sp., they found 17 active metabolites with antibacterial, antioxidative, hormonal, and toxic activities. This discovery of these bioactive compounds led the team to believe that the mucus of the corals and sponges is serving to regulate the dolphin skin’s microbiome and treat infections.”

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Posted at 6:00 pm by Glenn Reynolds

Dolphins wait in queue for rubbing their skin against corals

These lovable and intelligent animals keep on surprising us with their complex behavior.

by Rupendra Brahmabhatt — May 20, 2022 in Animals, Biology, Chemistry, Environment, News, Oceanography, Research, Studies

When researchers observed dolphins line up behind each other underwater and rub their different body parts against corals, they could hardly believe it. This [highly unusual dolphin behavior](#) is discussed in a study and according to the authors of the study, this is a way of self-medicating -- basically, dolphins rub their bodies against corals and sponges to medicate their skin.



Image credits: Yale Cohen/Unsplash

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Dolphins were spotted in 2009 doing something unusual. A new study sheds light on the reasons behind it

CHN/Stylemagazine.com NewsWire | 5/19/2022, 11:41 a.m.



In the Red Sea off the coast of Egypt, bottlenose dolphins were spotted in 2009 doing something unusual. They lined up to rub their bodies against coral. Mandatorini Credit: iScience.

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ANIMALS

Dolphins Appear to Self-Medicate With Coral in New Video

Researchers observed dolphins waiting in line to rub themselves against specific coral species.

By Isaac Schultz Published May 19, 2022 | Comments (4)



20 May 2022

what does a bottlenose dolphin do if it has a skin condition? It has a curious way of treating its condition. A study in 'iScience' describes the process. The dolphins rub themselves with the corals on the seabed to heal.



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Bottlenose dolphins glow-up with coral body scrubs

To keep skin healthy, dolphins will even wait in line for these coral and sea sponge spas.

BY KATE BAGGALEY | PUBLISHED MAY 20, 2022 6:00 AM EDT

ENVIRONMENT

Dolphins use coral reefs to treat skin ailments

A new study reveals how dolphins in the Red Sea self-medicate for skin ailments by rubbing up against corals that in turn secrete healing ointments.

SABRINA CANFIELD / May 19, 2022



DOLPHINS SEEM TO TREAT SKIN TROUBLE BY RUBBING ON CORAL

MAY 20TH, 2022 POSTED BY U. ZURICH

A dolphin mother teaches her calf to rub against medicinal coral. (Credit: Angela Ziltener/U. Zurich)

Indo-Pacific bottlenose dolphins appear to line up to treat skin conditions by rubbing against corals, researchers report.

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In the journal *iScience*, researchers show that these corals have medicinal properties, suggesting that the dolphins are using the marine invertebrates to medicate skin conditions.

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Watch dolphins line up to self-medicate skin ailments at coral "clinics"

BY BIOENGINEER — May 19, 2022 in Biology Reading Time: 4 mins read



If a human comes down with a rash, they might go to the doctor and come away with some ointment to put on it. Indo-Pacific bottlenose dolphins get skin conditions, too, but they come about their medication by queuing up nose-to-tail to rub themselves against corals. In the journal *iScience* on May 19, researchers show that these corals have medicinal properties, suggesting that the dolphins are using the marine invertebrates to medicate skin conditions.



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Red Sea dolphins slather their skin in coral mucus, because nature is wonderfully gross

News By Nicoletta Lanese published May 19, 2022

Coral mucus contains bioactive compounds.



新研究发现瓶鼻海豚似乎会利用珊瑚治疗自己的皮肤疾病



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10 June 2022

Dolphins Use Corals as Medicine Cabinets

Dolphins think of corals as sort of the medicine cabinet of the ocean. They rub against them to treat skin conditions.

Just like humans turn to ointment to medicate a rash, some dolphins rub themselves against specific corals to soothe skin conditions, a new study finds. Researchers studied Indo-Pacific bottlenose dolphins (*Tursiops aduncus*) in the Northern Red Sea in Egypt. They noticed that they lined up to rub certain body parts against certain corals and sponges.

Hihetetlen találékonyág

2022.05.28.

Gyógymódot találtak a bőrproblémákra a delfinek (videó)

Az állatok egyedi módon a korallokat használják fertőzéseik gyógyítására, feltehetően sikeresen.

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Pharmacy in the sea

Dolphins 'use coral as medicine for skin ailments'

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Features

29 May, 2022



New research suggests the cetaceans may be self-medicating for their skin ailments, adding to evidence of the medicinal properties of some corals and sponges.



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Vitor Paiva • Redator
Vitor Paiva é jornalista, escritor, pesquisador e músico. Nascido no Rio de Janeiro, é Doutor em Literatura, Cultura e Contemporaneidade pela PUC-Rio. Trabalhou em diversas publicações desde o início dos anos 2000, escrevendo especialmente sobre música, literatura, contracultura e história...

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