

Guillermou

Natural products derived from plants must receive great attention due to their anti-tumor activities and replace aggressive therapies such as chemotherapy and radiotherapy, which poison the body and destroy the immune system, causing cancer stem cells to take advantage of the body's weakness. organism, to promote new cancers in people, which often happens after a time of application of aggressive therapies. Personalized attention with biological and immunological therapies aimed at stimulating the immune system are a good way to go.

A research project published in 2018, carried out at the Faculty of Medicine of the University of the Basque Country (UPV / EHU), has deciphered the antitumor mechanism exerted by a plant «*Vismia baccifera*», from the Colombian Amazon, in cells of human liver cancer.

The magazine "Heliyon" publishes the results of the study, where they have seen that this plant induces oxidative stress in the cells that eventually leads to cell death, but only in tumor cells, not for healthy ones. Indigenous populations use it for its anti-inflammatory capacity, or for diseases of the urinary tract, or skin diseases. One of the researchers Jenifer Trepiana values these results and has opted to continue with the research and move on to doing live studies, with animal models, "to go over stages until it is used as cancer therapy. Unraveling the in vitro antitumor activity of *Vismia baccifera* against HepG2: role of hydrogen peroxide www.heliyon.com/.../e00675 (2018).-- medicalxpress.com/news/2018-09-antitumour-mechanism-amazonian-human-ca.. (2018)

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Scientists from the Technological Institute of Costa Rica, verified the healing properties of the species popularly known as chilillo (*Phyllanthus acuminatus*). The project is led by the scientists Giovanni Garro, Karol Jiménez and Silvia Castro, in collaboration with the pharmaceutical and natural products company Laboratorios Lisan SA, which provided the specialized equipment to carry out the tests. "The compounds of the chilillo plant are killing breast cancer cells," according to plant biotechnology specialist Giovanni Garro, commenting on the progress in the research. Chilillo, or *Phyllanthus acuminatus*, belongs to a genus of plants with healing properties, which have been widely studied. Some research has proven that compounds extracted from *Phyllanthus* kill cancer cells in rat livers.

These herbs, chilillo relatives, are used in Asian countries to treat liver diseases and as cancer treatment in Indian Ayurvedic medicine. Chilillo is a plant that grows in Central America, the Antilles and South America.

The scientists verified in the laboratory the healing potential of this species, which will allow them to work on a product to fight breast cancer and other cancers. The medicinal plants have been used by humanity since time immemorial and that potential must be validated, "says biotechnologist Karol Jiménez. "The results we have now are with breast cancer, where we are testing the effectiveness of the extracts we have produced from this plant and we have very positive results.

www.usexpatcostarica.com/tec-scientists-work-on-product-to-eliminate-b.. (2018)

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More natural treatments for cancer therapy with fewer side effects. Plants of the genus Phyllanthus are found in the Amazon rainforest and other regions of the world. Phyllanthus niruri is effective against hepatitis B. protects the liver, reduces stones, hypertension, and effect HIV. Proanthocyanidin Characterization, and Cytotoxic Activities of Three Plants Commonly Used in Traditional Medicine in Costa Rica: Petiveria alliacea L., Phyllanthus niruri L. and Senna reticulata Willd. www.ncbi.nlm.nih.gov/.../PMC5750626 (2017).--

Phyllanthus urinaria: a potential phytopharmacological source of natural medicine www.ijcem.com/.../ijcem0070937.pdf (2018).--

P. emblica inhibits some liver cancer cells. P. polyphyllus has been shown to work against breast cancer cells, colon adenocarcinoma, and liver cancer cells. Phyllanthus inhibits the growth of prostate and melanoma cells. This study evaluated the ability of Phyllanthus to prevent metastasis in two breast cancer and lung cancer. [www.rainbow.coop/library/phyllanthus-in-lung-cancer-and-breast-cancer/..](http://www.rainbow.coop/library/phyllanthus-in-lung-cancer-and-breast-cancer/)

Therapeutic Index of Methanolic Extracts of Three Malaysian Phyllanthus Species on MCF-7 and MCF-10A Cell Lines www.phcogj.com/.../PharmacognJ-10-6s-30.pdf (2018).--
europepmc.org/.../pmc5739133 (2017)

Antimetastatic Effects of Phyllanthus on Human Lung and Breast Cancer Cell Lines journals.plos.org/plosone/article?id=10.1371/journal.pone.0020994.--

Evaluation of Phyllanthus, for Its Anti-Cancer Properties cdn.intechweb.org/.../24230.pdf.--

Phyllanthus inhibits proliferation, metastasis, angiogenesis and induces apoptosis of human melanoma (mewo) and prostate adenocarcinoma studentsrepo.um.edu.my/5623

Phyllanthusmin Derivatives Induce Apoptosis and Reduce Tumor Burden in High-Grade Serous Ovarian Cancer by Late-Stage Autophagy Inhibition mct.aacrjournals.org/.../2123 (2018)

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Krofter

Guillermou - Very informative run down on some promising plants. It's interesting to note that traditional cultures used the whole plant, not a derivative or a synthesized version of a single active component. Researchers looking into the medical aspects of Cannabis are coming to the conclusion that the entourage effect that occurs when a portion of the whole plant is consumed (vs a single derivative like cbd) to glean all of the beneficial interactions that occur between all the cannabinoids (144 and counting) and the numerous terpenes (at least several dozen), is key to gaining the most medical benefit from Cannabis. I'm betting the same holds true for periwinkle, or any other medicinal herb for that matter. It seems that consuming PROCESSED medicinal plants is as unhealthy as eating processed food. As the article points out, there are often side effects from the processed versions made by Big Pharma. Since utilizing the whole plant can often negate the negative effects of particular compounds, it would be good to know if native cultures that have been using these plants for thousands of years have the same side effects issues when they utilize the whole plant. Lily and the other drug companies mentioned in the article cannot legally make use of whole plants, they must synthesize specific compounds before they can profit from them. If the entourage effect that researchers are highlighting in Cannabis does occur in other plants - and I'm betting it does - this means the Big Pharma model is inherently flawed.

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Guillermou

Hi KROFTER, an article that I was reading in the international journal Dsalud (D health) commented, what we know, the directors of the research centers are graduates in economic sciences or business sciences. Yes, plants with anti-cancer properties of traditional use in many cultures, along with all the arsenal of therapies of Natural Medicine, is the way to overcome cancer. When the active ingredients are isolated scientists are directed to the money market and profitability. However, we must consider that many active principles can be enhanced to personalize the cell lines that cause cancer.

For example, we take curcumin, which is the main active principle of turmeric, the effect can be more convenient and powerful to prevent and fight cancer. A whole plant can be convenient, as you say, to take advantage of phytochemicals, such as polyphenols and antioxidants that produce synergy with the active ingredient and reduce oxidative stress. The problem is that BigPharma is interested in chronic patients and directs the scientists and doctors with economic strategies. Personalized treatments, I believe they have a future in the treatment of cancer. Chemotherapy and radiotherapy is very aggressive and creates chronic patients. We will see if biological therapies and immunotherapy can help, above all, patients with an immune system weakened by aging or chronic diseases. Everything is very complex, and you need to go a good way to get good results. Some links of medicinal plants against in cancer:

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A review on medicinal plants as a potential source for cancer, A review on medicinal plants as a potential source for cancer. This article considers 82 medicinal plants belonging to 46 families and information on the Botanical name, family name, parts used, experimental model and mechanism of action were presented pdfs.semanticscholar.org/b51c/a2a1becf1f2ff45b58fcc9c639f20754ba3a.pdf (2015).---

List of Medicinal plants for anti cancer with scientific validation www.researchgate.net/figure/List-of-Medicinal-plants-for-anti-cancer-w.. (2015).---

Medicinal Plants: Their Use in Anticancer Treatmen www.ncbi.nlm.nih.gov/.../PMC4650206 (2015).---

Medicinal Plants and Cancer Chemoprevention www.ncbi.nlm.nih.gov/.../PMC4160808 (2008).---

Evaluating Medicinal Plants for Anticancer Activity www.ncbi.nlm.nih.gov/.../PMC4248331 (2014).---

In vitro studies of Asian medicinal plants with potential activity against breast cancer jabonline.in/.../287_pdf.pdf (2018).---

Posted On 12/31/2018

datadragon

Cancer occurs because cancer cells form as a result of normal cells being forced to make and use energy without normal oxygen respiration. www.news-medical.net/news/20180807/Study-suggests-cancer-to-be-a-metab.. A loss of oxygen (Hypoxia) has a vital role in tumor angiogenesis, metastasis, apoptosis. And calcium channels are open induced by hypoxia with the increase of Calcium influx causing tumor growth www.ncbi.nlm.nih.gov/.../PMC3256429

ATP is made within most cells of the body. ATP is made within the cell through three steps. Step one is glycolysis that yields 2 ATP. Step two is the Krebs's Cycle that yields 2 ATP. Step three is the electron transport chain that yields 34 ATP. The greatest yield of ATP is found in the electron transport chain. Oxygen sits at the end of the electron transport chain and bioavailable copper (attached to ceruloplasmin) is necessary for the electron transport chain to operate, +Mag.

Protein Kinase C: The enzyme was purified in 1977 by Nishizuka and colleagues, and was found to be a calcium-activated, phospholipid-dependent protein kinase. EBC-46 in Blushwood Berry and other closely related plants from the tropical forests of Queensland acts as a regulator of protein kinase C. Protein kinase C when active in turn increases galectin-3 expression.

www.sciencedirect.com/.../S0167488914004297 . Hundreds of studies have already pointed to the role of galectin-3 in cancer as a key player in the growth and spread of cancer within the body and regulation of apoptosis.

web.archive.org/web/20140724151825/http://home.netcom.com/~sdkelley/si..

Curcumin also works on protein kinase C and galectin 3. www.ncbi.nlm.nih.gov/.../PMC2042896 and www.researchgate.net/publication/228838301_Curcumin-A_Potent_Inhibitor..

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david_d_richard

My question is whether these alkaloids have been synthesized and patented as novel pharmacological molecules -- or are they still derived from the plant? As I understand it, patent law depends on chemical synthesis as natural molecules cannot be patented and are therefore in the public domain. Also does anyone know of a natural periwinkle derivative, even homeopathic, that might be used prophylactically in minute doses?

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forbiddenhealing

Generally good tips....Cells short on Vitamin C exhibit a hypoxic reaction/HIF 1 where angiogenesis and glycolysis are stimulated....so megadose Vit C/baking soda and Lipo C should be part of an effective protocol as well as NAC that scrubs excess copper which also stimulates angiogenesis. ...

lpi.oregonstate.edu/diet-and-optimum-health/2017-abstracts/vissers Vitamin C also improves circulation, oxygen delivery, reduces inflammation via huge electron inputs, and conductive connective tissue restoration (when taken along w bone broths/lysine-proline) a key to the Rath protocol.....Other studies show that Vit C induced H2O2 levels which kill tumorous cells... www.jbc.org/.../3339.full
...Personal experience>> reversed breast cancer in my German Shepherd with several injections of baking soda solution pointing out the critical Warburg thesis of oxygen and the oxygen/electron protective role of alkalization.

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rrealrose

Sooo, how to explain that Turkey Tail mushroom tincture often works for human breast cancers? If I remember correctly, this is what Paul Stamets' mother used to clear her bc condition. No question increased circulation and O2 delivery will help anything, however likely there several ways to skin this cat?

Posted On 12/31/2018

Mr.AK

so-called "Magic" mushrooms have been used in traditional medicine in China.

Posted On 01/10/2019

Keplivinon

I believe that Berberine reduces blood sugar, and helps hinder insulin surges. Us Mercolians know that insulin drives up odds of disease. I've been taking it religiously since my A1c was over 7. I'm looking forward to my next lab values. Thanks everyone. Be well.

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mpk3149

Keplivinon, you may consider taking Milk Thistle, and/or Quercetin with the Berberine to make it more effective. And, of course, test, test, your blood glucose to see whether your's is raised by carbs, (and specifically which ones), or some specific fats. I find, working with diet for diabetics, people vary a lot on what raises blood sugar. You need to get that A1c way down. Anything over 5.5 isn't normal.

Posted On 12/31/2018

TimM

Many here are familiar with the Weston A. Price Foundation. I discovered the WAPF many years ago, and it was a turning point for me in my quest for better health. I was a member of the foundation for a year. Sadly, many members of the WAPF have died of cancer and other conditions in the past few years. David Gumpert recently wrote about this on his blog. Here is the link.

www.davidgumpert.com/those-ticking-time-bombs-going-off-are-wapf-peopl..

Posted On 12/31/2018

bchristine

Very interesting link, TimM. So many different ideas why these WAPF members died so young. However from the article and comments, I think it's irresponsible to come to conclusions about their untimely deaths without knowing exactly what their diet and lifestyle were. We can only make assumptions based on what (little) we know about them. And of course, it's most likely a combination of factors. Very sad.

Posted On 12/31/2018

shiva

Very interesting post TimM. A relative of mine was taking the FCLO (fermented cod liver oil), product associated with WAPF.. She took it daily for about 3 months and it was helping address her arthritis pain. Then her six month medical exam revealed toxicity in her liver. She stopped taking the FCLO and went on a round of liver detox herbs and the next test results showed the liver problem resolved. It is my understanding that it is not possible to ferment cod liver oil. If that is the case then consumers of the product are unknowingly consuming rancid fish oil.

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