**Hearbal Detox Extract Formulation from Seven Wonderful Natural Herbs: Garlic, Ginger, Honey, Carrots, Aloe Vera, Dates, & Corn**

Saleh Mohammed Yerima¹*, Chaturvedi Saurabh², Bello Ibrahim³, Khan Mohammed Shahid², Jain Harshita², Nama Nitin², Jain Vikas²

¹Disease Control Unit (Epidemiology), Yobe State Primary Health Care Management Board (Ministry of Health) Yobe State, Nigeria
²Department of Public Health, Faculty of Health Sciences, Career Point University Kota, Rajasthan, India
³National Biotechnology Development Agency, Abuja, Nigeria

**A B S T R A C T**

The current mode of treatment of various diseases that cause as result of tobacco products based on synthetic drugs is very expensive, insalubrious and also not obtainable to all patients, at the same time these drugs alters genetics and metabolic pathways and also shows great adverse side effects to many patients. Hence, a safe and effective alternative natural remedy is needed to prevent the disease development and progression. In this lookout, natural recipes are indeed healthy and good remedy in the treatment/management of diseases that cause as result of tobacco products and these natural herbs are affordable, accessible and effective without any adverse side effects. These seven wonderful natural recipes (Garlic, ginger, honey, carrots, aloe Vera, dates & corn) are considered to be the most significant ancient herbs that have been used as an herbal remedy for over 2500 years all over the world. Although this research is first of its kind, because there was no such research conducted by any researcher who combined these seven wonderful natural recipes as a therapeutics, however there were several similar earlier studies on one or combination of either these recipes which have shown a very remarkable and suitable alternative remedy in various diseases cure without any side effects. This juice extracts from seven wonderful natural recipes are of paramount important with an immense medical properties and health beneficial effects that treats cancer further complications, cleanse the nicotine & tar from lungs that cause as a result of tobacco uses, boost immune system, as well as serve as an antibiotic in the remedy of many ailments.

**Keywords:** Tobacco, cancer, 7 natural herbal formula- anti-cancer, anti-oxidant, anti-inflammatory

**A R T I C L E I N F O**

Received 12 Feb 2019; Review Completed 20 April 2019; Accepted 10 May 2019; Available online 15 June 2019

Cite this article as:

*Address for Correspondence:*
Mohammed Yerima Saleh, Disease Control Unit (Epidemiology), Yobe State Primary Health Care Management Board (Ministry of Health) Yobe State, Nigeria

**INTRODUCTION**

Tobacco plant is native to North and South America continents and they knew it cultivation over 8000 years ago. It was Christopher Columbus who landed in America brought this plant to European countries. Portuguese traders brought tobacco plants to India during 1600 through Goa and Indians started cultivating it. Thus, the tobacco use spread from Americas to the rest of the world. In India, earlier it was restricted to Royal people but later in 17th century even common people started using it. Gradually tobacco got assimilated in to cultural rituals and social fabric due to presumed medicinal and actually addictive properties attributed to it. Tobacco can be consumed in different forms and by different methods across the globe; in form of smoking, chewing, dipping or sniffing. In 2006, more than 1 billion smokers in the world consumed about 5.7 trillion cigarettes¹². An additional 700 billion bidis are consumed annually in India alone³. There is wide variation in smoking prevalence among both males and females from one region to another. Globally, the prevalence of smoking is higher for men (40% in 2006) than for women (nearly 9% in 2006), and males account 80% of all smokers (nearly
Health Benefits of each Ingredients Based on Scientific Evidence as follows

GINGER (Zingiber officinalis Roscoe)
The ginger belongs to the family of Zingiberaceae and it is one of the most commonly consumed dietary condiments in the world. Ginger originated in South-East Asia and then used in many countries as a spice and condiment to add flavor to food. Besides this, the rhizome of ginger has also been used in traditional herbal medicine. The health promoting prospective of ginger is attributed to its rich phytochemistry. Ginger has staring potential for treating a number of ailments including degenerative disorders (arthritis and rheumatism), digestive health (indigestion, constipation and ulcer), cardiovascular disorders (atherosclerosis and hypertension), vomiting, diabetes mellitus, and cancer. It also has anti-inflammatory and anti-oxidative properties for controlling the process of aging. Furthermore, it has antimicrobial potential as well which can help in treating infectious diseases and generation of free radicals or reactive oxygen species (ROS) during metabolism beyond the antioxidant capacity of a biological systems results in oxidative stress, which plays an essential role in heart diseases, cancer, and in the aging process. The bioactive molecules of ginger like gingerols have shown antioxidant activity in various modules.

HEALTH BENEFITS OF GINGER:
Anti-cancer Effects of Ginger
The mechanism of ginger for acting as chemopreventive spice remains a matter of conflict among researchers. Ingredients like (6)-gingerol, (6)-shogaol, (6)-paradol, and zerumbone in ginger exhibits anti-inflammatory and antitumorigenic activities. Ginger and its bioactive molecules are effective in controlling the extent of colorectal, gastric, ovarian, liver, skin, breast, and prostate cancers. Anti-oxidative Stress Effects of Ginger
The rich phytochemistry of ginger includes components that scavenge free radicals produced in biological systems. For the purpose of energy production, some free radicals which generated during the process of oxidation are essentials. In such circumstances of imbalance, extra antioxidant supplementation through dietary modules is essential for organism vitality, and the anti-oxidative properties of ginger and its components have been explored in various in vitro and in vivo tests. Strengthening the body’s defenses by improving the antioxidant status will undoubtedly protect human against many chronic diseases. 6-shogaol has exhibited the most potent antioxidant and anti-inflammatory properties in ginger, which can be attributed to the presence of alpha, beta-unsaturated ketone moiety.

Anti-diabetic Effects of Ginger
Some research studies have proved the effectiveness of ginger against diabetes and its complications. Weidner and Sigwart conducted an experimental study and indicated that ginger extract with a high content of gingerols and shogaols did not induce significant changes in blood glucose, blood coagulation, blood pressure, and heart rate in rat models. However, ginger significantly lowered blood pressure, serum total cholesterol, LDL, VLDL and triglycerides, and raised HDL in hyperglycemic rats, in models that are diabetic, deficient in the apolipoprotein E gene or those that have been fed a high lipid diet.

Anti-inflammatory Effects of Ginger
In an ancient culture, medical practitioners focused on herbs for promoting the immune systems of body. In many countries ginger and its products raise the immune system. Habib et al. showed that ginger extract can reduce the elevated expression of NFκB and TNF-α in rats with liver cancer.

DATE PALM (phoenix dactylifera)
Date palm (Phoenix dactylifera L.) is widely grown in the hot and desert regions mainly in the Middle East and North Africa, and provides nutrition, as a staple food for centuries, food security, and raw material to the food industry. Every part of the date palm is useful. Dates offer useful prospects for fighting hunger and diseases. It is considered as a tree of life and sometimes as “Bread of Desert”. This fruit was highly esteemed by the ancient civilizations more than 5000 years ago. Date, the fruit of date palm, can be considered as an ideal food that provides a wide range of essential nutrients with many potential health benefits. Eating dates in moderation can contribute immensely to health benefits, such as protecting against damage to cells from free radicals, helping preventing a stroke, coronary heart diseases and...
the development of colon, prostate, breast, endometrial, lung, and pancreatic cancers.\textsuperscript{17,18}

Medical Benefits of Date Palm (Phoenix Dactylifera)
The benefits of dates include relief from constipation, intestinal disorders, heart problems, anemia, sexual dysfunctions, diarrhea, abdominal cancer, and many other conditions. Dates also help for a healthy weight gain. They are rich in several vitamins, minerals, and fiber.

Antioxidant, Anti-inflammatory, Antimutagenic, and Anticancer Activities of Date Fruit
In addition to their significance as an ideal high-energy food, in the folklore, the dates are believed to have many medicinal properties such as to provide strength, fitness, and relief against a number of ailments and pains including fever, stomach disorders, memory disturbances, nervous disorders, as well as aphrodisiac and to boost the immunity. They are also considered to protect against many chronic diseases including cancer and heart diseases.\textsuperscript{19} As they have been shown to contain antioxidant and antimutagenic properties.\textsuperscript{20,21}

Aqueous extracts of dates have also been shown to inhibit the lipid peroxidation and protein oxidation as well as exhibit a potent superoxide and hydroxyl radical scavenging activity.\textsuperscript{22} Panahi and Asadi (2009) reported that extract of date fruit was useful in controlling the blood cholesterol levels and also protected the CA1 neurons against oxidative injury.\textsuperscript{23} Methanolic and aqueous extracts of date flesh and seeds have also been shown to exhibit anti-inflammatory properties and suppressed the swelling in the foot and adjuvant arthritis.\textsuperscript{24}

Dates are a rich source of hydroxyl pomegranate acid and therefore eating on dates can increase the body’s immunity and resistance to cancers. The preparations made from the extracted polysaccharides (glucans) from Lybian dates exhibited a dose-dependent anticancer activity by suppressing the growth of Sarcoma 180 tumor cells in female CD1 mice.\textsuperscript{25} It is a common belief in the Middle East that the consumption of dates, particularly in the morning on an empty stomach, can reverse the actions of any toxic material that the subject may have been exposed to.\textsuperscript{26}

HONEY (Apis mellifera)

Honey is an old ancient's medicinal use all over the world. The honey bee is believed to have originated in the Southern Asia, although some scholars say Africa. About 12,000 varieties of bees exist in the world. One of the earliest evidence of honey harvesting is on a rock painting dating back 8000 years; this one found in Valencia, Spain. It shows a honey seeker robbing a wide bee colony. Honey helps to heal the stomach, pancreas and lungs as it tonifies, soothes and nourishes the linings of these organs. Even though honey is a sugar, it is loaded with nutrients, enzymes and minerals and therefore providing more benefits than just a sweet flavor.

HEALTH BENEFITS OF HONEY

Anti-inflammation Action of Honey

Honey reduces the activity of cytoxygenase-1 and cyclooxygenase-2; thus showing anti-inflammatory effects and demonstrates immunomodulatory activities, and furthermore, ingestion of diluted natural honey showed reduction effect on concentrations of prostaglandins such as prostaglandin F2, prostaglandin F2α, and thromboxane B2 in plasma of normal individuals.\textsuperscript{27} Bilsel et al. (2002) have proved that anti-inflammatory activity of honey was as effective as prednisolone, reference drug.\textsuperscript{28} Furthermore, honey has an anti-inflammatory action free from adverse side effects, such as suppression of immune response and tissue growth, formation of ulcers in stomach, etc.\textsuperscript{27,28}

Anti-oxidants Activity of Honey

Honey has exhibited a strong antioxidant potential and its activity is strongly correlated with the content of total phenolics, and the color of honey. It was found that dark honey has higher total phenolics content than the other, and consequently, a higher antioxidant capacity honey also has an exhibited oxidative stress which may be partly responsible for its neuroprotective activity. Hyperlipidemia and production of free radicals are risk factors for cardiovascular diseases, a wide range of phenolics compounds are present in honey which has promising effect in the treatment of cardiovascular diseases.\textsuperscript{29-30}

Anti-diabetic Properties of Honey

The use of honey in Type I and II diabetes was associated with significantly lower of glycemic index than with glucose or sucrose in normal diabetes. Due to the low glycemic index of the honey, it helps to reduce the absorption of digested food. Honey compared with dextrose caused a significantly lower rise in plasma glucose levels in diabetic subjects. It also caused reduction of blood lipids, homocysteine levels and C-reactive protein levels in normal and hyperlipidemic subjects.\textsuperscript{30,31}

Antimicrobial Activity of Honey

Honey has been reported to have antibacterial activity against various bacterial species including Bacillus anthracis, Corynebacterium diphtheria, Haemophilus influenzae, Klebsiella pneumoniae, Listeria monocytogenes, Mycobacterium tuberculosis, Pasteurella multocida, Yersinia enterocolitica, Proteus species, Pseudomonas aeruginosa, Acinetobacter species, Salmonella diarrhea, Salmonella typhi, Serratia marcescens, Shigella dysenteriae, Staphylococcus aureus, streptococcus faecalis, Streptococcus mutans, Streptococcus pneumoniae, Streptococcus pyogenes, and Vibrio cholera.\textsuperscript{31,33-34}
Wound Healing Activity of Honey

Honey has cleansing action on wound, stimulates tissue regeneration, reduces inflammation, and honey impregnated pads act as non-adhesive tissue dressing, clinical trials have revealed that honey dressing showed better improvement (e.g., dressing in burns with amniotic membrane dressing; silver sulfadiazine dressing, and boiled potato peel dressing) and showed early healing with lesser degree of contracture and scarring 31.

GARLIC (Allium sativum Linn.)

Garlic or Allium sativum Linn (Alliaceae), originally indigenous to Asia, ancient civilizations used garlic to treat asthma, digestive disorders, heart diseases, infections, respiratory disorders, tumors, and even intestinal worms. Today, science claims for the health benefits of garlic include lower blood pressure and cholesterol, an anti-inflammatory effect, reduced risk of cancer, and a stronger immune system. Scientific research has revealed that garlic or its constituents indeed have a broad range of biological activities including immune stimulation, anticarcinogenic and antitumour activity besides being natural antibiotics with antiviral, antibacterial and antifungal actions. In recent times effects of garlic on cardiovascular diseases have been much publicized 35-37.

Garlic and Anticarcinogenesis

Several experimental studies on animals and cultured cells have demonstrated the anticarcinogenic effect of garlic and its chemical compounds. Oral feeding of garlic extracts has been shown to reduce the incidence and growth of transplantable and spontaneous tumours in experimental animals and the active components were found to influence a number of physiological and immunological functions which account for their anticarcinogenic and antitumour effects. When garlic oil was topically applied during the initiation phase of benzo (a) pyrene (BP) induced skin carcinogenesis in mice, a decline was noted in the incidence and multiplicity of tumours 35. Oral administration of fresh water extract of garlic was shown to result in reduction of chemically induced cervical carcinomas in mice 36. Garlic treatment inhibited development of murine transitional cell carcinomas significantly, and an aqueous extract effectively suppressed dimethylbenz(a)anthracene (DMBA) induced oral carcinogenesis in hamsters by modulation of lipid peroxidation and glutathione (GSH), glutathione-s-transferase (GST) and glutathione peroxidase (GPx) levels 37.

Experimental investigations have implicated specific thioalyl constituents and their derivatives regarding the anti-cancer actions of garlic, although many other cancer chemopreventive compounds are also known to be present. The efficacy of various garlic derived compounds in inhibiting experimental carcinogenesis has been investigated by many 35-37.

HEALTH BENEFITS OF GARLIC

- Garlic is nutrient dense: high in the good stuff like manganese, vitamins B6 and C, selenium, and fiber your body needs without heavy calories. It even has a bit of protein and carbs.
- Garlic is a power antioxidant: free radical damage that leads to body-wide inflammation is the root cause of many diseases and conditions including heart disease, obesity, diabetes, aging, Alzheimer’s, and cancer. Garlic “ramps up” your body’s ability to fight free radicals. If you suffer from an autoimmune disease (a growing epidemic around the globe), you need garlic in your daily diet!
- Garlic is an excellent for your heart: researchers in Saudi Arabia found that the equivalent of four cloves of garlic was effective as a hypertension drug called “Atenolol”. Red blood cells convert the sulfuric compounds of garlic into hydrogen sulfide gas, which helps to expand blood vessels and lower pressure. Garlic also lowers LDL “bad” cholesterol by much as 15% overall and has been proven to help prevent hardening of the arteries (atherosclerosis).
- Garlic boosts your immune system: one study conducted during prime cold season in the United Kingdom found that participants using garlic had 60% fewer colds that wrapped up faster (with less extreme symptoms) than those on a placebo. Steeping crushed garlic in tea (with a bit of lemon and honey) could be the cold relief you have been looking for all your life.
- Garlic is effective against fungus and parasites: Regular consumption of garlic can help prevent negative effects of bacteria and parasites in your food (including food poisoning). Studies have included using fresh garlic to treat E. Coli, Staphylococcus aureus, and salmonella enteritis. Also, for those who suffer from athlete’s foot. Adding garlic to your eating plan is an excellent way to get rid of many health problems.
- Garlic is a natural (and highly effective) detoxifier: Not only is garlic excellent at mopping up free radicals and heavy metals in the blood. One study found that lead in the body of men who worked in a battery factory went down by 19% using garlic.
- Garlic is great for your skin: The sulfuric compounds in garlic are excellent against inflammatory conditions of the skin such as psoriasis, eczema, and acne, 35-37.

ALOE VERA

Aloe Vera has a number of synonyms: (Aloe barbadenis Mill, Aloe indica Royle,Aloe perfoliata L. var, and Aloe Vulharis Lam.). The species epithet vera means “true” or “genuine”. Aloe vera has been used for medicinal purposes in several cultures for millennia: Greece, Egypt, India, Mexico, Japan, and China and other part of the world. The Egyptians used the Aloe vera to make papyrus like scrolls as well as for the treatment of tuberculosis and many other ailments.

The bioactive compound of Aloe vera are used as astringent, haemostatic, antidiabetic, antiulcer, antiseptic, antibacterial, anti-inflammatory, antioxidant, and anticancer agents, also very effective in treating stomach ailments, gastrointestinal problems, skin diseases, constipation, radiation injury, dysentery and diarrhoea as well as wound and burn healings. Aloe leaves can be
separated into two basic products: the latex, a bitter yellow liquid beneath the epidermis of the leaf and the gel, a colourless and tasteless substance in the inner part of the leaf. Both of them have many biologically active components, mainly anthraquinones and polysaccharides (the most active is acemannan), which may act alone or in synergy. Aloe Vera seems to treat a variety of conditions because of its wound healing, anti-inflammatory, immunity, antidiabetic, antioxidant, laxative, antibacterial, antifungal, antiviral, and antitumor effects.

The effect of Aloe vera L. in rat lungs after cigarette smoke induction has shown the great negative effects of smoking. The incident of smoking is one of the world's health problems, as smoking increases the incidence of chronic obstructive pulmonary disease (COPD). Aloe vera L. has anti-inflammatory, immunomodulator, and β-sitosterol properties 38.

HEALTH BENEFITS OF ALOE VERA

Anti Cancer Effects of Aloe-vera: the role of Aloe vera in carcinogenicity has not been evaluated well. The chronic abuse of antranoids containing laxatives has been hypotised to play a role in colorectal cancer, however, no causal relationship between anthranoids laxative abuse and colorectal cancer has been demonstrated 39, and report on cancer prevention has shown that Aloe vera juice enables the body to heal itself from cancer and also from the damage of caused by radio and chemotherapy that destroys healthy immune cells crucial for the recovery 40.

Anti-inflammatory Action of Aloe-vera: The Aloe sterol includes campesterol, β-sitosterol, lupeol, and cholesterol which are anti-inflammatory in nature, helps in reducing the inflammation pain and act as a natural analgesic. Other aspirin like compound present in Aloe is responsible for anti-inflammatory and antimicrobial properties 31.

Antidiabetic Effects of Aloe-vera: The five phytosterols of Aloe vera, i.e; lophenol, 24-methyllophenol, 24-ethyl-lophenol, cycoartanol and 24-methyl-lencycloartanol showed anti-diabetic effects in type-2 diabetic mice 42.

Aloe-vera Effects on the Immune System: Alprogen inhibit calcium influx into mast cells, thereby inhibiting the antigen-antibody-mediated release of histamine and leukotriene from mast cells 42,43.

Antitumor Activity of Aloe-vera: A number of glycoproteins present in Aloe vera gel have been reported to have antitumor and antiulcer effects and increase proliferation of normal human dermal cells. In recent studies, a polysaccharide fraction has shown to inhibit the binding of benzopyrene to primary rat hepatocytes, thereby preventing the formation of potentially cancer-initiating benzopyrene-DNA adducts. An induction of glutathione S-transferase and an inhibition of the tumor promoting effects of phorbol myristic acetate has also been reported which suggest a possible benefit of using aloe gel in cancer chemoprevention 44.

Laxative Effects of Aloe-vera: Anthraquinones present in latex are a potent laxative; it is stimulating mucus secretion, increase intestinal water content and intestinal peristalsis, and Aloe latex is known for its laxatives properties. The laxative effect of Aloe is not generally observed before 6 hours after oral administration, and sometimes not until 24 or more hours after 45.

Antiseptic Effects of Aloe-vera: The antiseptic property of Aloe vera is due to presence of six antiseptic agents namely-lupeol, salicylic acid, urea nitrogen, cinnamonic acid, phenols and sulphur. These compounds have inhibitory action on fungi, bacteria, and viruses. Although most of these uses interesting controlled trials are essential to determine its effectiveness in all diseases 46.

Stress Effects of Aloe-vera: Aloe juice is helpful in smooth functioning of the body machinery 47. It reduces cell-damaging process during stress condition and minimizes biochemical and physiological changes in the body, and Oxidative stress refers to chemical reactions in which compounds have their oxidative state changed. Some antioxidants are part of the body’s natural regulating machinery while other dietary antioxidants are derived from diet sources. Aloe vera is an excellent example of a functional food that plays a significant role in protection from oxidatives stress 48.

Wound Healing Effects of Aloe-vera: Acemannan is the main functional component of aloe vera, is composed of a long chain of acetylated mannose. This complex carbohydrate accelerate wound healing and reduces radiation induced skin reactions 45, 49. Macrophage-activating potential acemannan may stimulate the release of fibrogenic cytokines 45. Direct binding of acemannan to growth factors and their stabilization may lead to promotion of prolong stimulation of granulation 49.

CARROT (Daucus carota L.)
Carrot (Daucus carota L.) is the family of most important crop of Apiaceae family. It is a root vegetable that has worldwide distribution. Carrots were first used for medical purposes and gradually used as food. Written records in Europe indicated that carrots were cultivated prior to the tenth century. The colors of the carrots root flesh may be white, yellow, orange, red, purple, or very dark purple. The first cultivated carrots were yellow and purple fleshed cultivars. Orange carrots, today more popular, were developed in the 15th and 16th centuries in central Europe. A rapid rise in the popularity of orange carrots was observed with the recognition of its high
provitamin ‘A’ contents 50, 51. Carotenoids and anthocyanins are the major antioxidant pigments found in carrots. Cultivar differences in carrots rely in the type of pigments present. Carotenoids are the yellow, orange, or red colored phytochemicals found in most yellow and orange fleshed cultivars. The widely used of orange carrot is high in α-and β-carotene and is a rich source of provitamin ‘A’. Yellow carrot color is due to lutein which plays an important role in prevention of macular degeneration 51.

Carrot is a good source of dietary fiber and of the trace mineral molybdenum, rarely found in many vegetables. Molybdenum aids in metabolism of fats and carbohydrates and important for absorption of iron. It is also good source of magnesium and manganese. Magnesium is needed for bone, protein, making new cells, activating B vitamins, relaxing nerves and muscles, clothing blood, and in energy production. Insulin secretion and function also require magnesium. Manganese is helpful in carbohydrate metabolism, in coordination with enzymes in the body 51,52.

HEALTH BENEFITS OF CARROT
Antioxidants, Anticarcinogen, and Immunoenhencer
Benefits of Carrot

Like many other colored vegetables carrot is a gold mine of antioxidants. Carotenoids, polyphones and vitamins present in carrot act as antioxidants, anticarcinogens, and immunoenhancers. Carotenoids widely distributed in orange carrots are potent antioxidants which can neutralize the effect of free radicals. They have been shown to have inhibition mutagenesis activity contributing to decrease risk of some cancers 51,52. Zhang and Hamauzuet 51,55 reported that flavonoids and phenolics derivatives, present in carrot roots play also an important role as antioxidants. They also exert anticarcinogenic activities, reduce inflammatory insult, and modulate immune response (51, 52).

The study suggests that the aliphatic C17-polyacetylenes are the potential anti-cancer principles of carrots and that the synergistic interaction between bioactive polyacetylenes may be important for their bioactivity. Other studies have reported that falcarinol exerts cytotoxic activity of against several human tumor cell lines in vitro, destroying pre-cancerous cells in the tumors 53,54.

Besides cart loads of β-carotene and other carotenoids, carrots contain vitamins such as vitamin C and K, thiamin (B1), riboflavin (B2), pyridoxine (B6) and folates (B9), necessary for metabolism of carbohydrates, proteins and healthy growth 51,52. Vitamin C promotes the absorption of non-heme iron and is required for fighting infections and vitamin K helps in preventing bleeding. Thiamin (B1) has highly beneficial effects on our nervous system and mental attitude; riboflavin is necessary for cell respiration, and red blood cell formation; pyridoxine inhibits the formation of homocysteine and reduces the risk of heart diseases; and folates may also reduce the risk of heart attack by lowering homocysteine levels. High level of homocysteine has been found to be associated with an increased risk of hardening of arteries due to the accumulation of fatty plaques. It also protects against birth defects in babies 51,52.

Antidiabetic, Anti-Hypertensive Cholesterol and Cardiovascular Diseases Lowering Benefits of Carrots

Nutritional generally recommend eating carrots in moderation because they contain more sugar than any other vegetables. This recommendations was based on the first journal articles ever published on the carrot glycemic index (GI), in 1981, indicated that we quickly digest the carbohydrates in carrots. That study showed the carrots had GI of 92 (where glucose=100). A later study that got much less attention showed the carrots had a GI of 39± 7 and the carrot juice of 45± 4 (Cale not pub). Recent research demonstrates a significant association between vitamin A rich carotenoids and diabetes status. According to these investigators higher blood glucose levels, as well as higher fasting levels of insulin, were observed in study participants with lower level of carotenoids. Carotenoid levels also decreased as the severity of glucose intolerance increased. These findings suggest that carot and vitamin A rich carotenoids might help diabetics to manage their condition 55.

Nicolle et al. 56, reported that carrot showed cholesterol absorption mitigating effects in experimental carrot fed rats. Regulation in bile acid secretion and antioxidant status was also observed by these investigators. Moreover, carrot consumption increased the vitamin E level in plasma and increased the ferric reducing ability of plasma, and the consumption of carrots also been associated with lower risk of heart attacks in women 56.

Hepatoprotective and Renoprotective Benefits of Carrot

Bishayee et al. 57, observed that carrot extract help to protect liver from acute injury by the toxic effects of environmental chemicals. In its study of carrot extract on carbon tetrachloride (CC14) induced acute liver damage in mouse was evaluated. The increase serum enzymes levels by CC14-induction were significantly lowered due to the pre-treatment with carrot extract. Seed extracts and its essential oil have been reported in experimental studies to have cardio- and hepato-protective, cognitive dysfunction, cholesterol lowering, anti-bacterial, antifungal, anti-inflammatory, analgesic, and wound healing benefits 58.

Skin Care Benefits of Carrots

Nicotine damages skin and carrots contains large amounts of vitamins A, K, C, and B all these vitamins are proven to efficiently remove nicotine in the body. Carrot juice is also great when it comes to lung health, and protecting the respiratory system from infections. It can help counter the bad effects that are associated with smoking. Furthermore carrot juice is rich of vitamins that can help greatly reduce the risk of emphysema. Studies suggest eating a few carrots per day could actually cut the rate of lung cancer in half. Researchers believe this is due to the levels of gamma-carotene, lycopene, lutein xanthophylls, and alpha-carotene 57,58.

MAIZE OR CORN (ZEA MAYS L.)

Maize or corn (Zea Mays L.) is the world’s third leading cereal crop, after wheat and rice. It is probably originated from America, specifically Mexico. Maize belongs to
family of poaceae and is a tall annual herb with extensive fibrous root system. The word Zea mays derives from two languages. Zea come from ancient Greek and is a generic name for cereal and grains. Some scientists believe that Zea stands for ‘sustaining life’ while Mays comes from the language Taino, meaning ‘life giver’.

**HEALTH BENEFITS OF MAIZE:**
The composition of maize endows it with many health benefits. The high fiber content of maize prevents constipation and colorectal cancer. Antioxidants neutralize the effects of harmful free radicals that cause disease like cancer. The antioxidant beta cryptoxanthin prevents lung cancer, while lutein prevents age related vision loss. Antioxidants slow cognitive decline and conditions like Alzheimer’s. Vitamin C boosts immunity and fights infection, while the presence of vitamin E gives maize anti-aging properties. In the traditional system of medicine, maize is found to be effective as an analgesic, astringent, anti-allergic, anti-lithiasis, anti-hypertensive, against skin rashes, anti-angina, anti-prostatitis, anti-tumor, anti-dysentery, anti-diarrheal, against skin rashes, against Biliousness, against sore throat, also use an emollient as well as urinary disorders including dysuria, Cystitis, Urethritis, Nocturnal enuresis.

**Anti-oxidant Activity of Maize**
Corn silk was extracted to prepare five fractions viz. ethanol extract, petroleum ether fraction, acetate ether fraction, nbutanol fraction and water fraction. The butanolic fraction exhibited the highest antioxidant and free radical scavenging activity. The two flavone glycosides isolated from butanolic fraction viz., isoorientin-2”-O-α-L-rhamnoside and 3”-methoxymaysin, were also found to possess potent antioxidant moieties. Ethanollic extract of the Egyptian corn silk reflected profound free radical scavenging activity, and CS ethanol extract inhibited γ-radiation-induced damage in liver, reduced the MDA content in a dose-dependent manner and safeguarded the liver from GSH depletion.

**Anti-inflammatory Activity of Maize**
Corn silk ethanolic extract elicited significant TNF-α antagonistic activity. The extract efficiently abolished the TNF-α and LPS-induced adhesiveness of EAhy 926 endothelial cells to monocytic U937 cells. Corn silk possesses important therapeutic potential for TNF-α and LPS-mediated leukocyte adhesion and trafficking. CS extract diminished cell migration, exudate formation, oxidative stress, TNF-α, IL-1β, VEGF-α, and IL-17A and blocked inflammation-related events (ICAM-1 and iNOS), illustrating its anti-inflammatory effect.

**Anti-fatigue Activity of Maize**
Corn silk flavonoids raised swimming time in mice, accompanying diminished levels of blood lactate, blood urea nitrogen (BUN) and elevated hepatic glycogen concentration. These results manifested anti-fatigue and enhanced exercise tolerance property of corn silk.

**Nephrotoxicity Reduction Activity of Maize**
CS administration dose dependently prevented GM-induced interstitial nephritis and reduced serum creatinine level.

**MATERIALS AND METHODOLOGY**

![Table of Ingredients](image)

Table 1: Ingredients of Extract

<table>
<thead>
<tr>
<th>S.No</th>
<th>Ingredients</th>
<th>Quantities (250 ml)</th>
</tr>
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<tbody>
<tr>
<td>1.</td>
<td>Ginger</td>
<td>20ml</td>
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<tr>
<td>2.</td>
<td>Garlic</td>
<td>15ml</td>
</tr>
<tr>
<td>3.</td>
<td>Dates Palm</td>
<td>35ml</td>
</tr>
<tr>
<td>4.</td>
<td>Carrot</td>
<td>25ml</td>
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<tr>
<td>5.</td>
<td>Corns</td>
<td>30ml</td>
</tr>
<tr>
<td>6.</td>
<td>Aloe Vera</td>
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<td>7.</td>
<td>Honey</td>
<td>25ml</td>
</tr>
<tr>
<td>8.</td>
<td>Water</td>
<td>85ml</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>250ml</strong></td>
</tr>
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METHOD OF PREPARATION

- Wash all the ingredients thoroughly. Boil water, grate the ginger, carrot & corns, and chop the garlic, date and squeeze the Aloe vera; mix & blend them with blender, add to the boiling water.
- When it boils again, lower the heat and add the honey, next simmer the mixture until it is completely mixed. Finally, take the mixture off of the heat and strain it into a jar or container.
- Leave the remedy to cool & then bottle them.

USES: Take two tablespoon of this natural remedy 2times in a day: one in the early morning on an empty stomach & again after snack or dinner.

DISCUSSION

These seven wonderful natural recipes are considered to be the most significant ancient herbs that have been used as an herbal remedy for over 2500 years all over the world. Although this research is first of its kind, because there was no such research conducted by any researcher who combined these seven wonderful natural recipes as a therapeutic, however there were several similar earlier studies on one or combination of either these recipes which have shown a very remarkable and suitable alternative remedy in various disease cure without any side effects and hence urging for further pharmacological investigation plus clarification of this formula to prove it.

CONCLUSION

This formula that extracted from well known 7 wonderful natural herbs has a very significance role to soothe human life in a myriad ways. Pharmacological and nutritional studies have greatly shown the remarkable medicinal properties of these herbs-such as anticancer, anti-oxidant, anti-inflammatory, antibiotic, antifungal, antibacterial, antiviral, antiseptic, disinfectant, immunomodulator, detoxifier, etc. and therefore this formula (combined extract juice) of Garlic, Ginger, Honey, Carrots, Aloe Vera, Dates & Corn is an effective remedy of many ailments, not only nicotine and tar cleanser. In this look out, natural recipes are healthy and good remedy in the treatment/management of diseases that cause as result of tobacco products based on assorted scientific research findings and these natural herbs are affordable, accessible and effective without any adverse side effects.

FUTURE PROSPECTIVE:

This juice extracts from seven wonderful natural recipes is of paramount important with an immense medical properties and health beneficial effects that treats cancer’s further complications, cleanse the nicotine & tar from lungs that causes as a result of tobacco uses, boost immune system, as well as serve as an antibiotic in the remedy of many ailments. Many smokers want to quit smoking but due maintenance of tobacco use results from nicotine addiction make them difficult in quitting tobacco abuses and therefore this herbal formula offers way to remove that built-up Nicotine & Tar and will play a tremendous roles on reducing high death rate as a result of tobacco. Smokers and those who intended to quit smoking as well as those who have already quit smoking should be aware of the fact that their lungs are full of Nicotine & Tar. Ideally, the best solution is to quit smoking and get remedy from this formula because nicotine seriously damages the lungs, and those dangerous effects are irreversible.

ACKNOWLEDGMENT

The author is thankful to departments of Public Health and of that Pharmacy, Career Point University, Kota for providing facility and guidance to carry out this scientific experiment and at the same time a special appreciations goes to Yobe State Government, Nigeria for their financial support.

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