Rosemary

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Rosemary is an evergreen bush perennial that grows to a height of two to six feet with pale blue flowers and spiky leathery leaves (Fig. 1). It is a member of the mint family, Lamiaceae, along with many other herbs such as oregano, thyme, basil, and lavender. The name rosemary derives from the Latin ros marinus, which means dew of the sea. Although native to the Mediterranean landscape where it can be found growing on rocky limestone sea cliffs, it is now cultivated throughout the world as an ornamental and aromatic plant. The distillation of the flowering tops of the plant in the 13th century furnished a distillate that was known in the fragrance industry as Queen of Hungary Water. The epithet officinalis in the plant’s botanical name originates from its well recognised medicinal properties by herbalists in ancient times.

Rosemary has been used as a symbol for remembrance during war commemorations and funerals in Europe, Australia and New Zealand. Mourners would throw it into graves as a symbol of remembrance for the dead. Rosemary has particular significance for Australasians, as it is found growing wild on the Gallipoli peninsula.

BOTANICAL NAME: *Rosmarinus officinalis*


PREPARATIONS: Leaves, oil, tincture.

ACTIVE CONSTITUENTS: Most of rosemary’s beneficial health effects have been attributed to the very high antioxidant activity of its main chemical constituents, including carnosol, carnosic acid, ursolic acid, rosmarinic acid and caffeic acid.

EVIDENCE FOR EFFICACY: The science-based medicinal use of plants, and preparations derived from them, in the treatment, alleviation and/or prevention of disease or injury, according to recognised standards of quality, safety, and efficacy is the core philosophy of the European Society Co-operative on Phytotherapy (ESCOP), which represents herbal medicine societies, including practicing medical herbalists, across Europe. ESCOP (http://escop.com/) lists the internal use of rosemary and its preparations for the improvement of hepatic and biliary function, to treat dyspepsia and mild spasmodic disorders of the gastrointestinal tract, and external use of rosemary preparations for the treatment of rheumatic conditions, peripheral circulatory disorders, promotion of wound healing, and as a mild antiseptic.

Auto-oxidation of fat and oil is one of the main factors that reduces the nutritional value of foods, by affecting product quality such as flavour, colour and texture. Rosemary, through its powerful antioxidant (https://www.superfoodly.com/orac-values/) and antimicrobial activities, has been shown to curb lipid oxidation, thus extending the shelf life and safety of foods. Furthermore, it has been reported that the addition of rosemary as a marinade to ground beef and other types of muscle meat before grilling, frying, broiling, or barbecuing can reduce the generation of carcinogenic heterocyclic amines by over 90%.

Herbal medicines are a popular health care choice, but few have been tested to contemporary standards. *POTION OR POISON?* summarises the evidence for the potential benefits and possible harms of well-known herbal medicines.
Rosemary deserves to be called an herb that is a friend of Physicians and commands the praise of cooks (Emperor Charlemagne, 9th century).

**POSOLOGY AND METHODS OF ADMINISTRATION:** Information governing the medical use of rosemary can be obtained from the European Medicines Agency (EMA) (http://www.ema.europa.eu/ema/) herbal monograph on *Rosmarinus officinalis*. Oral, cutaneous, and as a bath additive are the recommended methods of administration by the EMA. In the case of the latter, the recommended bath temperature is 35–38°C, for 10 to 20 min.

*Rosmarinus officinalis* should be administered as per licenced manufacturers instructions.

If symptoms worsen during the use of the medicinal product, a doctor or a qualified health practitioner should be consulted. The use in children and adolescents aged < 18 years is not recommended due to lack of adequate data.

Safety during pregnancy and lactation has not been established. In the absence of sufficient data, the use during pregnancy and lactation is not recommended.

No research has studied the effect of rosemary on the ability to drive and use machines.

**CONTRAINdications**

**oral use:** Obstruction of bile duct, cholangitis, liver disease, gallstones and any other biliary disorders that require medical supervision and advice.

**use as bath additive:** Full hot baths are contraindicated in cases of large skin injuries and open wounds, acute skin diseases, high fever, severe infections, severe circulatory disturbances and cardiac failure.

**Adverse Effects:** Hypersensitivity (contact dermatitis and asthma) has been reported but their frequency is not known. If other adverse reactions occur, a doctor or a qualified health care practitioner should be consulted.

**Key Reference**