

Cannabis effectively dries the oral cavity and upper airway, potentially reducing the risk of aspiration pneumonia and increasing patient comfort. Other unproven but potential benefits include improved appetite, mood, and sleep. 18,25 Dosing is by titration to effect and dependent on route of delivery.26 However, smoking cannabis is never recommended.

Entheogens (classic hallucinogens)

The use of classical hallucinogenic compounds is experiencing a renaissance in medicine and psychiatry whether as adjuncts to psychotherapy or to induce spiritual experiences.27 Trials of these compounds in the treatment of existential or death anxiety have focused on patients living with cancer. Articles, such as one in the New York Times in April 2012 entitled 'How psychedelic drugs can help patients face death,28 have been profiled by ALS patients in online forums addressing anxiety regarding death and dying.

The psychological rationale for this therapeutic approach in terminal illness may lie in the purported capacity of entheogens to facilitate powerful states of spiritual transcendence that exert in the patient a profound therapeutic impact with often dramatic improvements in psychological well-being.29

Enthnobotanical researchers coined the term entheogen (from the Greek, meaning 'generate god within'),30 to generically describe substances, typically plants, that contain psychoactive substances that alter a person's perception of reality, used to bring a patient closer to God or the realm of the transcendent.29 Entheogens have been used by in many cultures for millennia but primarily sacramentally to enhance a religious/spiritual ritual.29 Many patients feel illprepared for death and that there is insufficient knowledge to help them make choices that will cover their medical needs (pain, sleep, etc.) yet honour and maintain their autonomy and dignity.31,32

Psilocybin is the most studied entheogen from a palliative/end-of-life perspective. It is the active compound found in mushrooms belonging to the genus Psilocybe, which contain the psychoactive tryptamines psilocybin and psilocin.33,34 Other species also contain the weaker psychoactive alkaloid compounds baeocystin and norbaeocystin, which may potentiate the effects of psilocybin. Psilocybin has been used for centuries for religious purposes.34 Its

inclusion as a Schedule 1 drug by the US Drug Enforcement Administration (DEA) has limited research on it.

Psilocybin administered under supportive conditions produced a doserelated mystical experience in 72% of subjects, although 39% also reported feelings of anxiety and fear. 'Set and setting', or the emotional state of the user and the type of environment they are in, largely determine whether the experience is positive.34 Follow-up over 14-months found nearly 90% of the

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subjects considered it to be the most personally meaningful and spiritually significant event of their lives to date.34 Supratherapeutic doses of dextromethorphan induced effects similar to psilocybin but with more acute cognitive impairment.35

The contribution of psilocybin or other entheogens to treatment of end-oflife distress in people with ALS remains to be determined. Palliative medicine is concerned with spiritual and psychological care, but the administration of medical therapies for psychospiritual purposes faces barriers in both law and medicine.

Ayurvedic medicine

Ayurvedic medicine (Ayurveda) preceded and evolved independently of Western medicine.36 The Sanskrit word Ayurveda means 'the scripture for longevity'.37 Developed in India approximately 3000 BCE the sacred texts were passed on through generations of oral tradition,36 and Ayurveda continues to be practised in India and other South Asian countries. It seeks to treat and integrate body, mind, and spirit using a comprehensive, holistic approach that emphasizes diet, herbal remedies, meditation, breathing, and physical medicine (exercise, physical therapy, yoga, etc.).

Ayurvedic medicine (Ayurveda) defines health as a state where the mind and