Interventions to increase the quality of life in amyotrophic lateral sclerosis patients.

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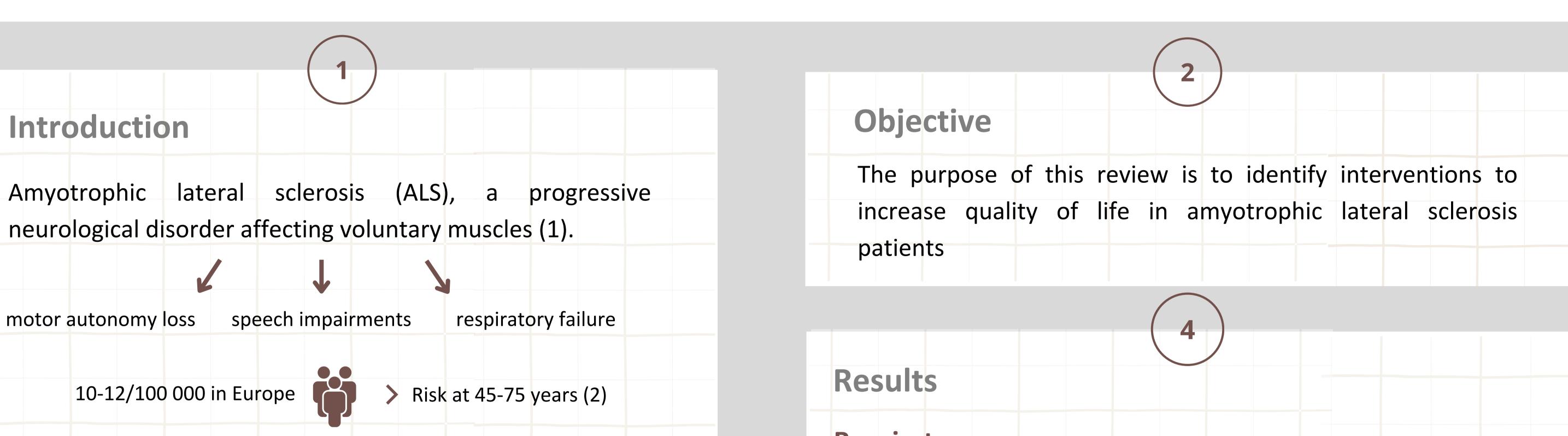
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Introduction



Riluzole and Edavarone Multidisciplinary team is key to enhance the patient's quality of

limited relief + adverse effects (2)

life (QoL) addressing symptoms and promoting independence

Methodology

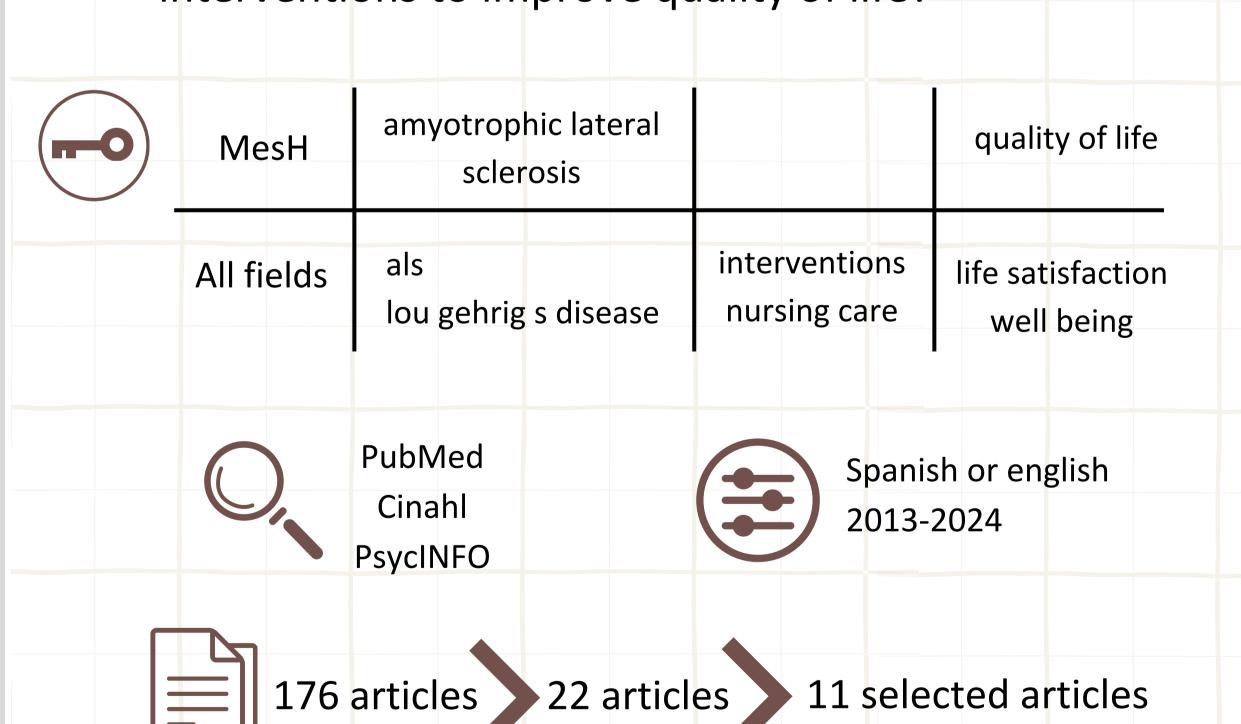
(3).

Pharmacological

treatments:

diagnosed with Amyotrophic patients (ALS), what are the most interventions to improve quality of life?

There is no cure for ALS



Respiratory care



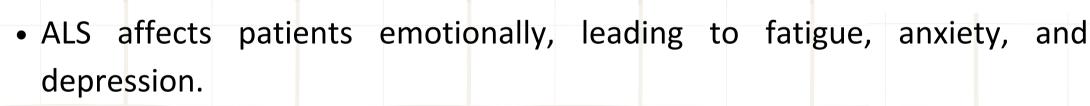
- Challenges: 30% of ALS patients struggle with NIV initiation due to anxiety. Early introduction is crucial for informed decisions (5).
- Enhancing implementation: Intermittent NIV with home support improves adherence and QoL (6).
- <u>Daily Assessment</u>: Regular monitoring detects respiratory issues early. Vital capacity, diaphragmatic weakness, and oximetry are key (7).
- Multidisciplinary team: Healthcare teams manage ventilation and ensure NIV effectiveness. Coordination is vital for ALS care (7).

Communication



- 80-95% of ALS patients struggle with communication (5).
- Interventions: Transition from verbal to written communication and to text-based input methods. Early introduction of Assistive Communication Devices (ACDs) and Augmentative and Alternative Communication (AAC) enhances autonomy and QoL in later stages (4, 7, 8)

Mental health



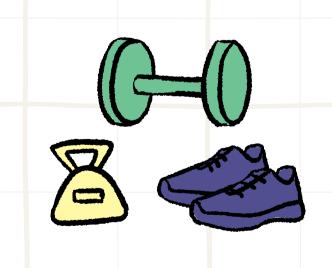


• Interventions: Music therapy, cognitive behavioral therapy, occupational therapy, mindfulness, and meditation alleviate emotional symptoms (7, 9, 10, 11, 12)

Physical functional interventions

Physical therapy, including aerobic and resistance exercises, • <u>Interventions</u>: reduces fatigue and enhances independence. Moderate-intensity programs improve flexibility, muscle function, and sleep quality effectively (4, 5, 13)

As a result: alleviate muscle pain, distress in various body regions, and preserve muscle activity. Customized devices and rehabilitation efforts maximize functional independence, enhancing overall QoL (7)



Conclusion

Interventions targeting respiratory care, communication therapy, mental health, and physical independence have significant positive outcomes concerning the disease evolution and the quality of life of the patient.



- Education and training. Incorporating ALS education into university programs and specialized training in areas
- There is a recognized gap in practical knowledge. Continuously seek out and implement new effective strategies for care delivery.

