

ALS treatments

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Disclosures

- Quralis
- AL-S Pharma
- Amylyx
- Cytokinetics
- Mitsubishi Tanabe Pharma
- Biogen
- Alexion
- Eli Lilly
- Sanofi Genzyme
- ALS Canada Board member
- Calico

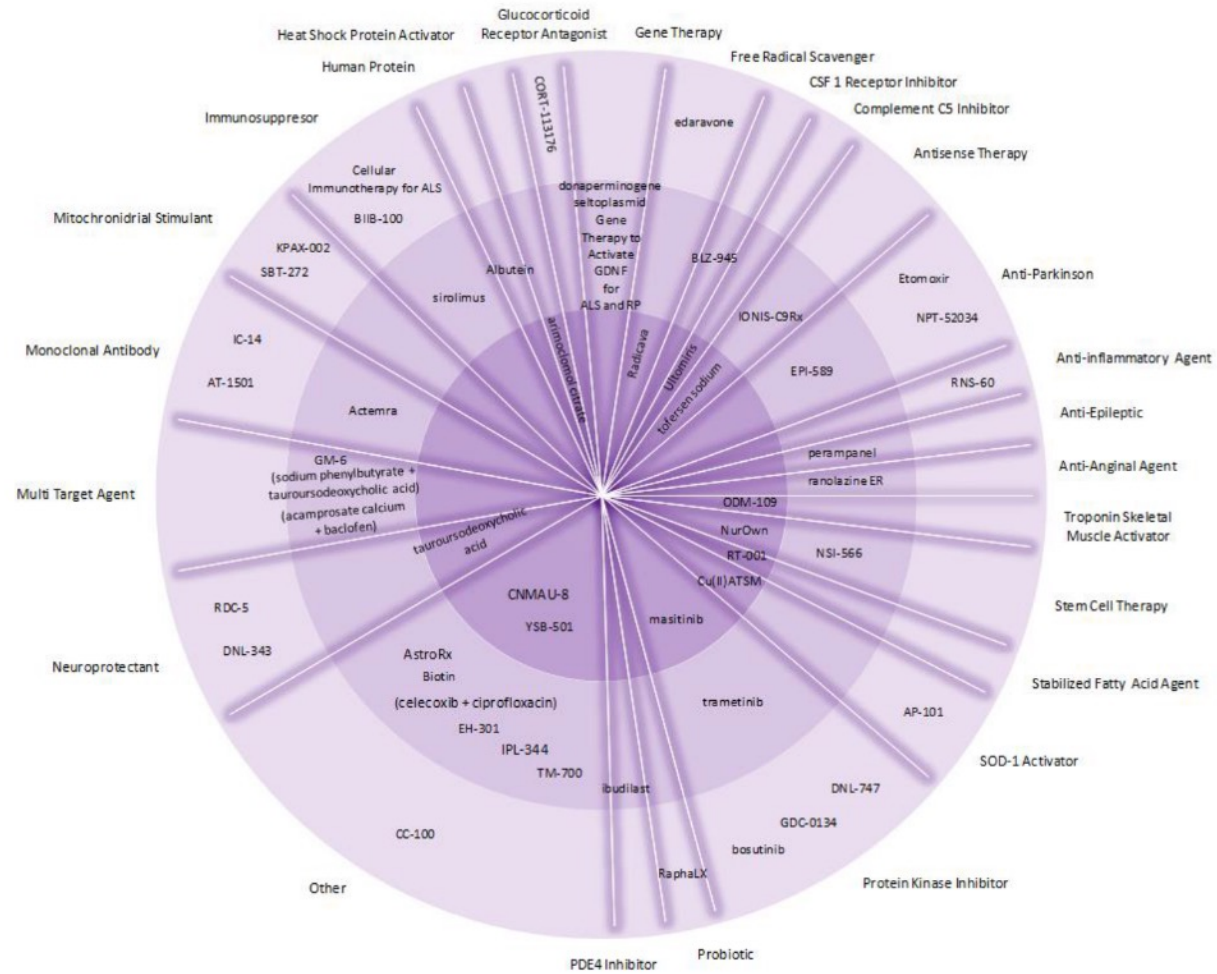
ALS Treatments

Learning Objectives

- Currently approved therapies in different regions
- Role of multidisciplinary care in ALS
- Future of genetic based therapies in ALS

At the end of this session the attendees will have a review of currently approved therapies and major advances in ALS treatments

Current Development Pipeline in ALS



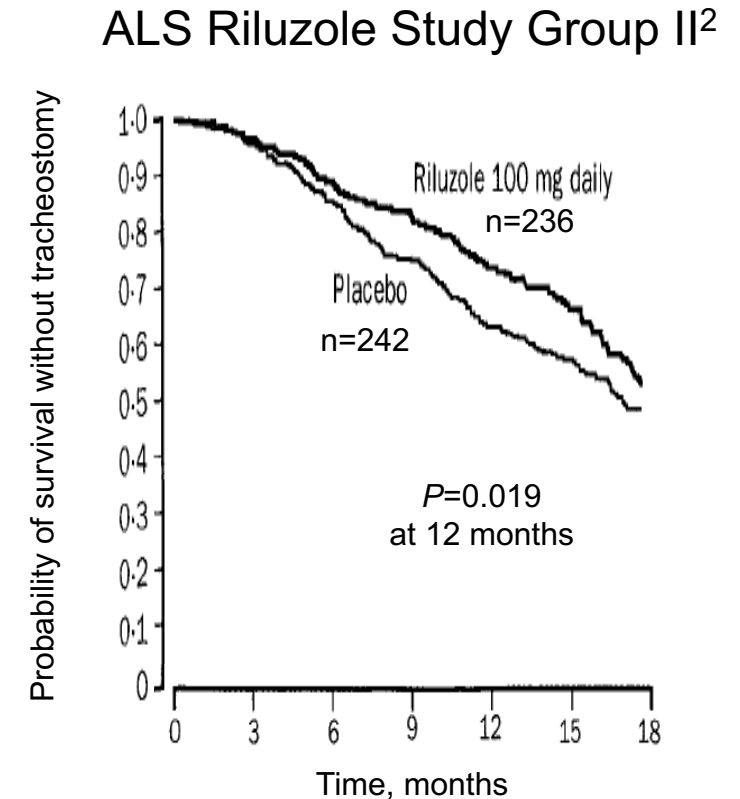
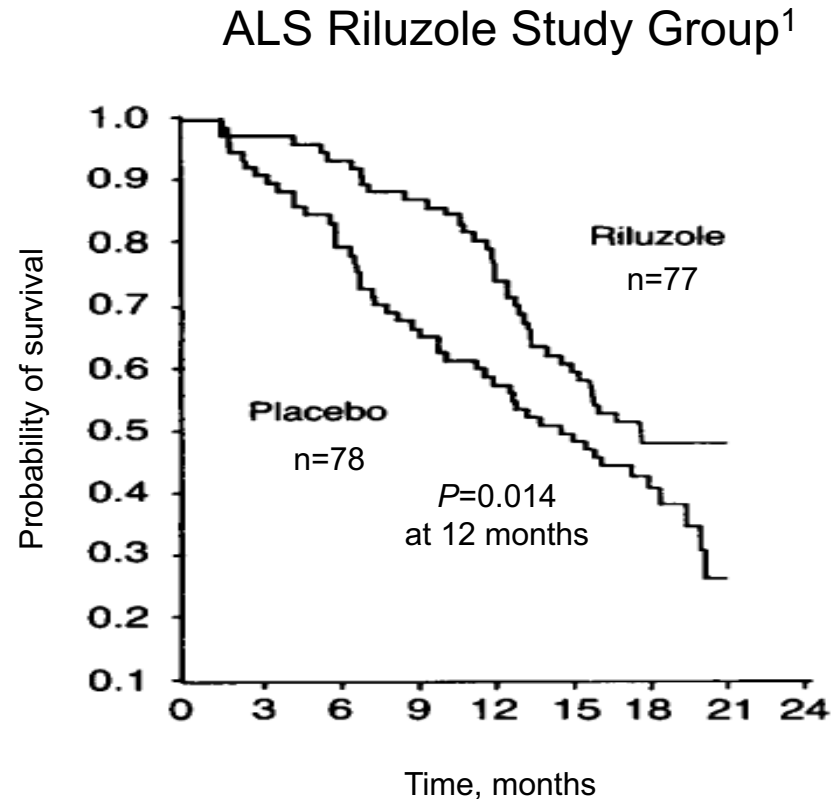
Source: GlobalData

Note: The innermost circle represents drugs in Phase III development. The circle in the middle represents drugs in Phase II and Phase I/II development. The outermost circle represents drugs in Phase I development.

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Riluzole Pivotal Clinical Trials

- Riluzole is believed to function by altering glutamate release and uptake^{1,2}
- Two randomized, double-blind, placebo-controlled studies^{1,2}
- Both showed statistically significantly greater survival with riluzole vs placebo^{1,2}
- The differences in median survival were 90 days in the first study and 60 days in the second study^{1,2}
- A meta analysis however suggests the benefit may be up to 18 months



1. Bensimon, G, et al. *N Engl J Med.* 1994;330(9):585-591.

2. Lacomblez, L, et al. *Lancet.* 1996;347(9013):1425-1431.

Oral Edaravone Study A01 Results

- In general, investigational oral edaravone was well tolerated during the study¹
- No serious TEAEs were related to study drug¹
- Many of the TEAEs were representative of ALS progression¹
- Edaravone slows progression but is not a cure for ALS, therefore some ALS progression during the study is expected¹
- Safety results were generally consistent with the IV edaravone safety profile¹
- No new safety concerns were identified during this study¹
- FVC decline and ALSFRS-R score decline were comparable with the edaravone arm in the IV edaravone pivotal phase 3 trial, Study 19²

FVC, forced vital capacity; TEAE, treatment-emergent adverse event.

1. Genge A, et al. 24-week results from the MT-1186-A01 phase 3, open-label, multicenter safety study of oral edaravone in subjects with amyotrophic lateral sclerosis. Presented at: 32nd International Symposium on ALS/MND; December 7-10, 2021. Poster CLT-23.

2. Writing Group; Edaravone (MCI-186) ALS 19 Study Group. *Lancet Neurol.* 2017;16(7):505-512.

Tofersen/Qalsody – Clinical development plan

