**Post-hemodilution working memory and learning failure to meet platform criteria.** On day-17, post-hemodilution referencememory was tested, and performance was not different between groups, indicating thathemodilution had not impacted reference memory. On days 18-26, working memory testingwas conducted, using a criteria-driven, moving platform paradigm. Animals were allowed 90seconds to find the hidden platform during each trial. Criterion for advancing to a new platformposition, on the next day, was reaching the platform position in less than 15 s, for 3 consecutivetrials. If criterion was not reached within 8 trials, then the rat would again be tested the next daywith the same platform location and with 8 trials per day, until criterion was reached.Percentages of animals in each group failing to meet advancement criteria is depicted, by day,and by group. AAn animals demonstrated consistently higher failure rates on each day oftesting. Abbreviations: AAn-Aged Anemic, ASh-Aged Sham, YAn-Young Anemic, YSh-Young Sham.

Study Day