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# From fetus to older age: a review of brain metabolic changes across the lifespan

**Short title:** Brain aging metabolic changes

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## HIGHLIGHTS:

- The review of the changes in brain metabolism from fetus to older age is presented.
- 82 studies that described brain metabolite changes with age were identified.
- The aging is associated with metabolic changes characteristic for each life period.
- The age matching is essential for comparative studies of disease states using 1H MRS.

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