



Learning, Memory, and Intelligence, Animal Studies

- Comment on whether the approach to search for and select animal studies relevant to evaluating potential long-term effects of acute sarin exposure on learning, memory and intelligence as described in the methods was objectively applied and clearly presented.
- Comment on NTP's assessment of the animal studies, including how findings from individual studies were interpreted, how the rating of confidence in the body of evidence was developed, and how the level of evidence conclusion was reached.
- For each of the following time periods, comment on NTP's synthesis of the scientific evidence for **learning, memory, and intelligence effects** across studies and identify any information that should be added or deleted.
 - The initial time period (>24 hours to 7 days) following acute sarin exposure.
 - The intermediate time period (8 days to 1 year) following acute sarin exposure.
 - The extended time period (> 1 year) following acute sarin exposure.