

**508 articles retrieved from PUBMED, using
the search terms:**

“Bicarbonate” AND “Diabetic ketoacidosis”

464 articles as listed below were excluded:

- 94 review articles
- 29 commentaries/letters/editorials
- 80 non-English articles
- 15 animal studies
- 159 DKA articles not related to acid-base issues, bicarbonate use, or cerebral edema
- 87 articles not related to DKA

44 articles reviewed in entirety, including:

- 14 case reports/series on use of bicarbonate in DKA
- 8 acid-base studies in DKA
- 12 case-control studies on use of bicarbonate in DKA, including 3 RCT
- 6 case reports of cerebral edema in DKA
- 4 studies on risk of cerebral edema in DKA