

1,857 potentially eligible articles of monitoring devices were identified and screened for retrieval

1,621 articles excluded based on abstract review

- Not relevant
- Review articles

236 articles retrieved for more detailed evaluation

98 articles additionally excluded

- Editorials
- Not relevant

138 articles using MEMS

127 articles additionally excluded

- No correlation information

11 articles included for meta-analysis:

- 7 studies reporting Pearson correlation coefficient
- 4 studies reporting Spearman rank correlation coefficient