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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **All children (n)** | **NI children (n)** | **Age (years)** | **In how many children were serial QoL parameters assessed?** | **Which serial QoL measurement?** | **Follow-up** | **Result** |
| Engelmann et al. 2010 [20] | 40 | 21 | Mean 7.8 (range NR) | 40 | Modified GastrointestinalQuality-of-Life Index (GIQLI) | 3 and 6 months | Sig. improvements in global scores and domains: symptoms, emotions, social and physical functions; similar improvements amongst NI and NN children; greater degree of impairment, greater the benefit seen |
| van der Zee et al. 1999 [21] and Mauritz et al. 2014 [22] | 57 | 26 | Median 5.2 (range 0 - 18) | 57 at 3-4 months and 42 at 10-15 years | Reflux-specific questionnaire, Gastroesophageal RefluxSymptom Questionnaire andReflux Diagnostic Questionnaire | 3-4 months, 1-5 and 10-15 years | Sig. reduction in reflux symptoms after surgery with no sig. change at follow-up; similar reductions in NN and NI children; fewer NI patients asymptomatic at 10-15 years than NN but not sig.; dysphagia more frequent in NN |
| Mauritz et al. 2016 [23], Mauritz et al. 2016 [24], Rinsma et al. 2016 [25] | 25 | 5 | Mean 6 (range 2 – 18) | 25 | PedsQL 4.0 Generic Core Scales and reflux-specific questionnaire | 3 months | Sig. improvement in self- and carer-reported QoL scores, psychosocial and physical health summaries; reflux symptoms sig. decreased; no deterioration of symptom severity or frequency; dysphagia reported in similar number before and after; similar benefit in NN and NI patients; postoperative dysphagia more frequent in NI |
| Srivastava et al. 2007 [26] | 44 | 44 | Mean 2.2 (range ?0 – 18) | 26 | Child Health Questionnaire (CHQ) Parental Form 50, Short-Form Health Status Survey, and Parenting Stress Index/Short Form | 1 month | Sig. improvements in domains: “role physical”, “bodily pain”, “mental health” and “family limitation of activity” and “parental time” |

Table 2: summarizes studies of anti-reflux surgery in children which include pre- and post-operative assessment of QoL. N.B. each row corresponds to a single cohort of patients which, in some cases, are reported amongst a number of publications.