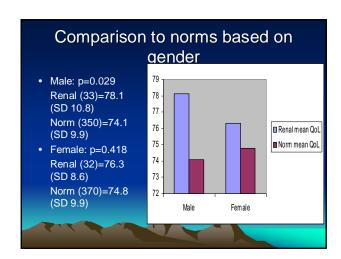
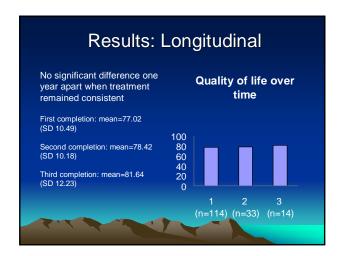
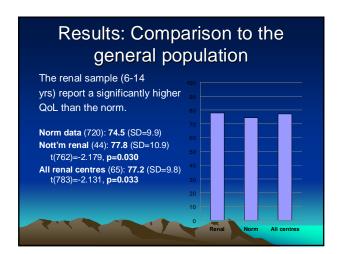


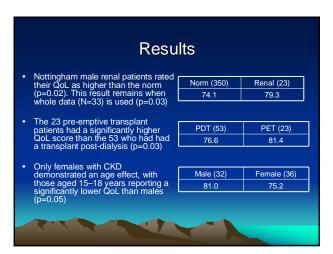
Nottingham Audit • 88 patients (44 male, mean age=13.7 years, range 6-18yrs, SD=3.4) 20 on dialysis (10 haemo) 44 post-transplant (17 pre-emptive) 24 with advanced CRF • Cross-sectional Results of 44 patients (23 male, mean age 10.9years, range 6-14yrs, SD=2.6) were compared to published norms

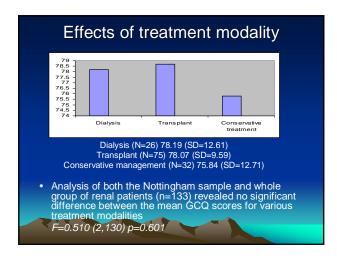












| Centre | N | Mean | SD |
|----------------|-----|------|------|
| Control Group | 720 | 74.5 | 9.9 |
| Nottingham | 88 | 77.5 | 12.1 |
| Liverpool | 23 | 78.4 | 8.7 |
| Newcastle | 22 | 77.1 | 8.7 |
| Birmingham | 9 | 77.6 | 9.0 |
| Combined Renal | 142 | 77.6 | 10.8 |

Conclusion

- · Our results indicate that individuals can perceive their QoL as good despite living with what others may perceive as severe limitations
- This may seem counter-intuitive but QoL is a subjective measure so may be difficult to predict from observable limitations (health status)

Explanations from the children

- What factors associated with your illness affect your quality of life?
 - "Nothing really because you can do everything except you have to miss school" сн
- · Any other comments what makes life really good/bad?
 - "Life as a chronic renal patient is not as bad as it sounds, compared to other illness such as cancer. heart failure etc, for me I learnt how valuable life is and hope others do." AA
 - "Having people being there for me [makes it good]" A
 - "My friends and family are very supportive" A

Taking things forward

- · Longer term and larger studies are needed to investigate the effect of changing treatment modality and to support the findings in relation to age and gender
- · Qualitative data to help explain the counterintuitive results
- · Practical use of the GCQ to measure QoL scores in clinical practice to monitor treatment and patient outcomes in the long term
- Research funding

Considerations

- Norm data was collected 12 years previously QoL scores may be different in the general population today however the media reports that children today have a low QoL
- No measure of social desirability
- Low discrepancy is due to acceptance rather than satisfaction
- Collect qualitative data from a normal population to compare what affects their Ool
- Do paediatric services increase self-esteem to act as a buffer for transition into adult services? Search for research on QoL of young adults with CRF after transition from children's services into adults
- Are older children more aware of the impact of CRF on their lives and quality of life?

Any volunteers?

Thank you for listening.

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Reliability and Validity of GCQ

Reliability

- Internal consistency (items measuring the same dimension)
 Cronbach's alpha=0.74 for perceived self
 Cronbach's alpha=0.86 for preferred self
 Cronbach's alpha=0.73 for Only and alpha=0.73 for Only
- Standard error of measurement (variability in scores due to unavoidable measurement error) SEM=+/4.73 points for perceived self
 SEM=+/4.02 points for peterred self
 SEM=+/-4.65 points for QoL scores

Validity

- Content validity items are based on factors that children report as affecting their quality of life (also broadly fit with Eiser (1994) investigating what children mean by QoL)
- Face validity items are based on children's reports of the issues that influence their QoL
- Convergent construct validity based on hypothesis that a child's QoL is directly related to their satisfaction with life. Correlation between general life satisfaction question and overall QoL score is extremely high (r=0.50, p<0.001)
- Factorial validity Examination of results of a principal components factor analysis with varimax rotation suggested that a one-factor solution was most appropriate.

Collier MacKinlay and Phillips 2000

Differences between perceived and preferred QoL

| Score | Patient Group | Mean (SD) | Significant? |
|-----------------|------------------|--------------|--------------|
| Perceived score | Norm | 87.6 (9.3) | No |
| | Renal | 89.9 (10.2) | p=0.118 |
| Discrepancy | Norm | 25.5 (9.9) | Yes |
| | Renal | 22.2 (10.6) | p=0.031 |
| Preferred score | Norm | 105.7 (10.1) | No |
| | Renal | 106.3 (10.5) | p=0.733 |
| QoL | Norm | 74.5 (9.9) | Yes |
| | Renal | 77.8 (10.9) | p=0.030 |