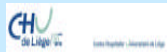


Renal Insufficiency Therapy in Children: Quality Assessment and Improvement; The RICH-Q study.

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Introduction

- Previous studies in children on chronic Renal Replacement therapy (cRRT):
 - 30 times increased mortality
 - 40% deaths caused by cardiovascular complications
 - 1/3 clinical manifestations metabolic bone disease
 - malignancies emerging problem
 - cognitive impairment
- No information on:
 - quality of care of treatment
 - impact of advised quality indicators on outcomes in children.
- No data exist on the impact on these outcomes of the different treatment modalities, i.e. PD,HD & transplantation.
- Until now, no structural collaboration and consensus on general guidelines cRRT.

Aim of the study

- 1.Assessment of current quality of treatment
- 2.Assessment of the effect of recurrent peer review of the achieved outcomes on the QT.
- 3.Assessment of the effect of different treatment modalities on outcomes.
- 4.Assessment of the psychosocial circumstances and Quality of Life.
- 5.Creation of a format for multi-center trials.

Outcome

- Mortality
- Physical Co-morbidity:
 - bone metabolism
 - cardiovascular complications
- Quality of life
- Psychosocial outcome
- Cognitive performance

Methods

- Inclusion:
 - All prevalent pt (HD & PD) in NL & B <19 years at onset of study
 - All incident pt (HD, PD, Tx) in NL & B during the study period <19 years
- Expected sample size 200 patients (NL + B)
- Study period: August 2007-August 2011
- Financed by the Dutch Kidney Foundation



Time (months)	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48
Clinical data collection	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Psychosocial questionnaire	x			x					x				x				x
Quality of Life questionnaire	x		x			x			x		x		x		x		x
Pulse Wave Velocity Measurement	x			x					x				x				x
Sample storage	x			x					x				x				x
Peer review meeting	x		x	x		x		x		x		x		x		x	x
2-year evaluation report									x								
Final report																	x