

# a secondary prevention follow-up program in spinal dysraphism and hydrocephalus

SRHSB, Uppsala 140628

Swedish professional network for MMC/ Lena Westbom







## Why follow up program?

- lifelong risk for complications
- complex medical needs \*remember everything
- coordinated health care \*stay healthy
- best treatment? \*evidence missing
- new survivors, new health care personnel

#### **PROCESS**

Swedish professional network for MMC; 2004 → *Priority:* 

- 1. Transition to adulthood
- 2. Evidence based treatment recommendations
- 3. Follow-up program +

a health care quality registry

MMC+lipoMMC

Hydrocephalus

Other congenital/early aquired spinal disorders



### Aims MMCUP

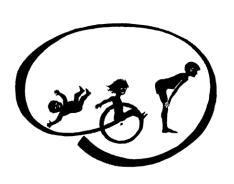
- to prevent complications and loss of function
- to increase knowledge
- to improve cooperation
- to boost high quality of care effective interventions at the right time

(skip in-effective treatments)





# Follow-up according to the Swedish national guidelines in MMC/HC



Guidelines for medical follow-up Swedish neuropaediatric society 2009-2013 Guidelines PT and OT follow-up

See links from <u>www.mmcup.se</u>





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Measurements on body structure and function (PT, OT, UT)

Recording of interventions + indications (+ neurosurg, urol, ort)

Reports on daily function, activites and health (PROM)





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standardised follow-up →
early detection →
early intervention →
standardised evaluation →
standardised follow-up →
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Comparisons

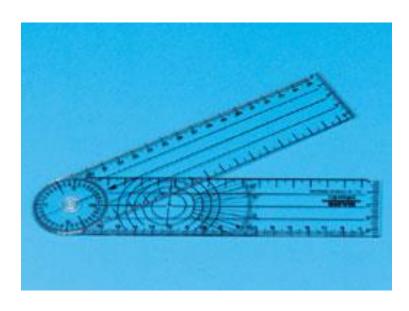
...maybe a little more stiff

...probably no difference

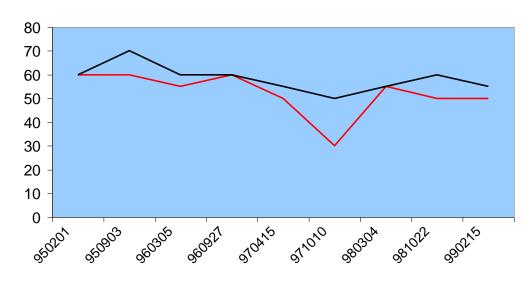
...unclear if new symtom

...have not met him before, don't know previous function

MEASURE RECORD COMMON LANGUAGE



Abduktion höger och vänster höft

















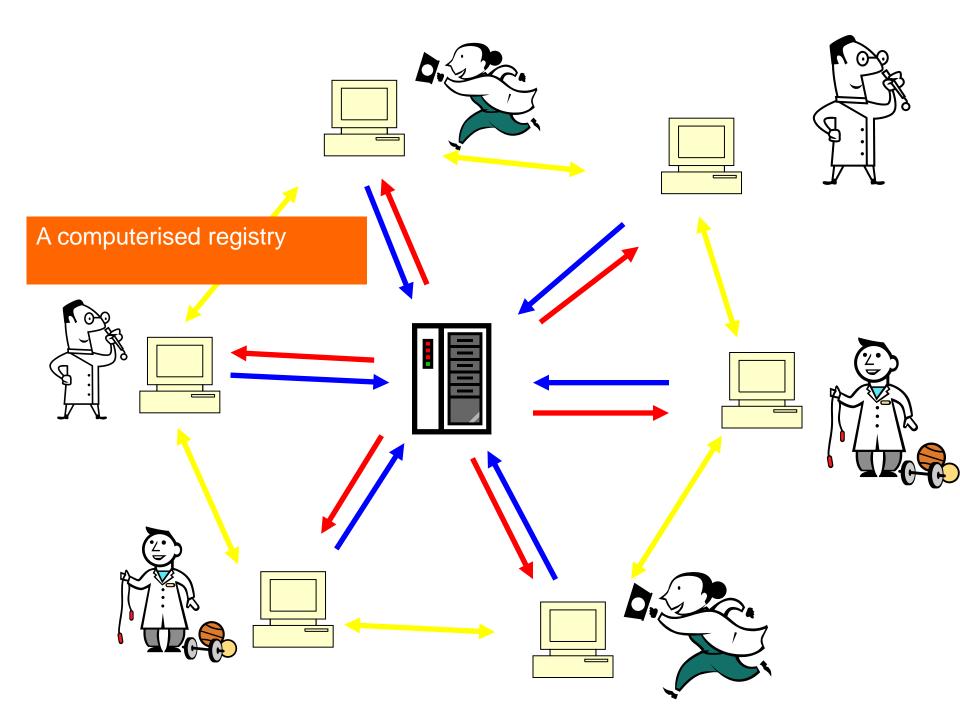


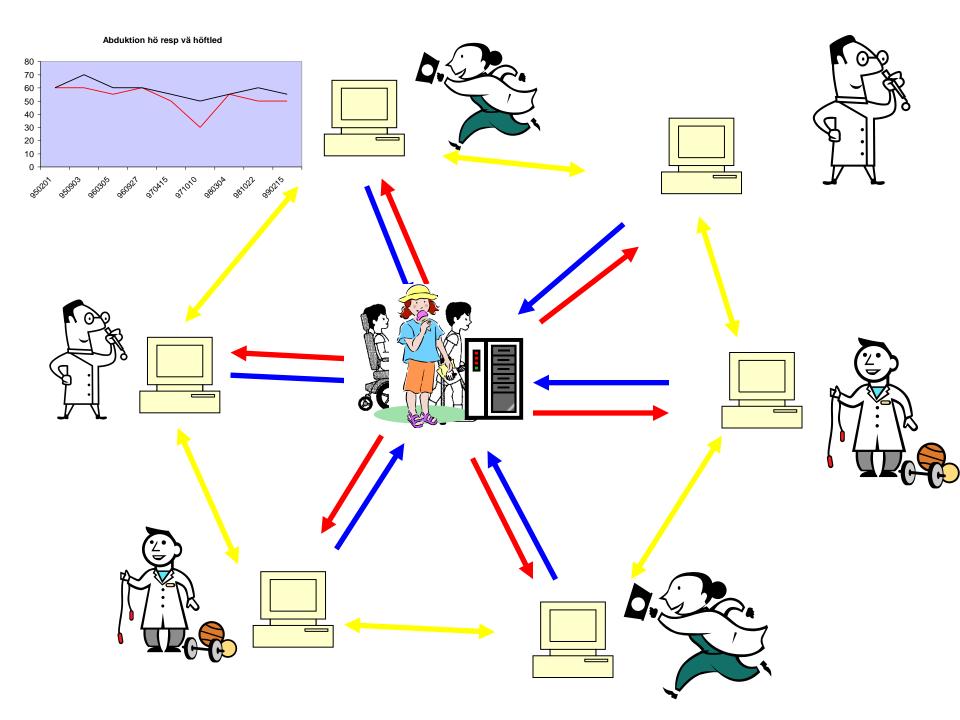








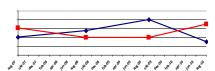






Support in the choice of treatment for each person with SB/HC



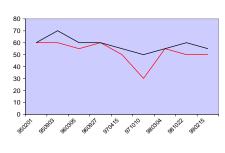


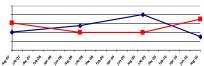
Hip abduction ROM and functional bladder volume and detrusor pressure over time Self-reports



Support in the choice of treatment for each person

with SB/HC





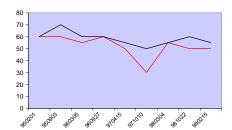
Support process of care – lists of planned investigations, treatments, visits to the clinic

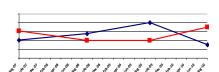
Senaste us	Nästa us	Pnr Namn
2010, Jan	2011, jan	020101-0011 M Jönsson
2011, april	2011, april	010101-0345 M Karlsson
2011, juli	2012, juli	040506-1234 S Pettersson
2011, aug	2012, aug	010101-0345 M Karlsson



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National quality of care registry
- comparisons of results of
medical care and surgical
interventions





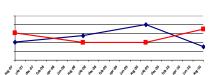
Research Health care improvements

Support in the choice of treatment for each person

with SB/HC

Support process of care – lists of planned investigations, treatments, visits to the clinic





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#### MMC/lipoMMC – prio 1

Born ≥ 2007 - start 2012 Older children and adults - prio 2 Hydrocephalus without MMC; all spinal dysrafism

#### MMCUP -Sweden



Local habilitation centres Hospitals

Regional MMCUP-teams/
Coordinator (UT, nurses)
Central team/RCSYD
Registry holder
Competence groups:
UTs/Urol
PTs
OTs
Ort
Nsurg
Nped/Neurol/Rehab drs
Pslg, Ped

2012-2014 6 reg.forms Process form PT www.mmcup.se

#### Results – from annual report 2013

91 children born 2007-2012 MMC/lipoMMC

84 were born in Sweden – 50 girls, 34 boys

Incidence 1.26/10 000

1/3 of the celes were closed

#### **Conclusion**

- An unselected total population with MMC/lipoMMC today 100 children 0-7 years of age is now followed.
- Personal data, neonatal, PT assessment and operations forms are now internet based. Next to follow: the UT form and the first form for for older children and adult.
- "Retrospective MMCUP-data" for > 700 with MMC born 1986 2006 available and they will be offered participation in the prospective follow up program