

Early Detection Intervention Program in Republic of the Marshall Islands

Agnes Flood
EHDI Supervisor

Atlanta - February 19 – 22, 2011

Highlights of EHDI

- Appreciation, recognition of the Program by MOH Leaders, Nursing Staff and Mothers of RMI
- Extra skilled gained for the Nurses
- Has been approved by Nursing Administration that Newborn Hearing testing should be included in Maternity Policy & Manual Procedures
- Categorized as one of the Nursing Standards
- The eagerness, willingness and curiosity of the Mothers towards the program
- Completion of Hearing Booth

DATA for 2010

- EHDI started in May 4, 2010
- Total births for 2010 – 655
- At least maximum of 8 deliveries a day
- At least minimum of 2 deliveries a day

Number of Newborns Screened- Inpatients

- Total screened – 652 (99.5%)
- Passed Screening – 489 (75%)
- Referred – 136 (20.9%) – non-dedication of Screeners,
- too early for screening e.g less than 24hours
(demands for beds)
- Inconclusive (missed) – 27 (4.1%)
- Mothers left Ward without being probably
discharged
- Deceased – 2 (0.3%)
- NICU

Outpatient Screening

- Passed – 59 (36.2%)
- Referred 27 (16.6%)
- Inconclusive (absent, missed, immigration, deceased)
– 67% (41.1%)
- - Missed - sometimes Screeners missed the appointments busy doing other jobs
- Total recommended for evaluation – 95

Outcomes

- Pass without risk - (refer to Newborn Hearing Screening Protocol)
- Pass with Risk
- Fail (no running nose or congestion)
- Fail (with running nose or congestion)

- Average Age – 3 months

Number of Children Received Diagnostics & The Outcomes

- Total of 16 children had Auditory Brainstem Response (ABR) test by Audiologist, Dr. Yusnita Weirather (August 2010)

Outcomes:

- Repeat of ABR for next Audiologist visit
- Refer for Visiting ENT Specialists (Taiwan, Australia)
- For Behavioral Testing at one year old
- Hearing evaluation at one year old
- For early Intervention program – Combination of “Teaching The Youngest Deaf & Hard of Hearing Children” by Nancy Rushmer
- Lip and Cleft palate – For Off Island Referral to Tripler, Philippines. (Tripler requirements – children needs to reach 1 year old)
- Average diagnostic age is 3 months

RMI EHDI Vision - 2011

- Full time Staff for the Program or
- To hire 2 more screeners for efficient running of the program
- The availability of needed Equipments
- Calibration OAE Machines training for the screeners
- Screeners to be involved in data inputting (Hi-Track Software)
- Regularity Visits of Audiologists
- Allocated Vehicle for the program or home visits

NEWBORN HEARING SCREENING PROTOCOL - RMI

Newborn Hearing Screening Before Discharge

Pass With Risk

Pass Without Risk

Fail

Give Brochure
Audio logical
Evaluation at 8
months

Give
Brochure

Schedule Rescreen in
6 weeks

OPD Rescreen
Pass without
Risk

OPD Rescreen
Pass with Risk

Fail
No running nose or
congestion

Fail
With running nose &
congestion

Give
Brochure

Give Brochure
Audio logical
evaluation at
8 months

Diagnostic
ABR
Refer 3 out of 3
frequencies

Results
Refer 2 out of 3
frequencies

Rescreen by
Agnes or Nora

- Risk Factors
1. Family history of deafness
 2. Down Syndrome
 3. Cleft Palate
 4. NICU children with neurological disorder or infections
 5. Children born with one ear opening

Rescreen by
Agnes or Nora

Pass
Give
Brochure

Fail
Diagnos
tic ABR

Pass
Give Brochure

Fail
Diagnostic ABR

ANY
QUESTIONS
?

Newborn Screening

, DrPH
y Studies
awai`i



A large whiteboard with faint, illegible text projected onto it.









Relief of Choking

Infant Foreign-Body Airway Obstruction
 (Age 1 Year and Older)

Signs & Symptoms:

- Sudden onset of coughing
- Inability to breathe, speak, or cry
- Bluish discoloration of the face
- Loss of consciousness

First Aid:

1. Stand behind the child and give 5 back blows between the shoulder blades with the heel of your hand.
2. If the object is not dislodged, give 5 abdominal thrusts (Heimlich maneuver).
3. Repeat the back blows and abdominal thrusts until the object is dislodged or the child becomes unconscious.

When to Call 911:

- If the child becomes unconscious
- If the object is not dislodged after 5 back blows and 5 abdominal thrusts
- If the child's condition worsens

SUPPORT

Adult or Child Foreign-Body Airway Obstruction
 (Age 1 Year and Older)

Signs & Symptoms:

- Sudden onset of coughing
- Inability to breathe, speak, or cry
- Bluish discoloration of the face
- Loss of consciousness

First Aid:

1. Stand behind the person and give 5 back blows between the shoulder blades with the heel of your hand.
2. If the object is not dislodged, give 5 abdominal thrusts (Heimlich maneuver).
3. Repeat the back blows and abdominal thrusts until the object is dislodged or the person becomes unconscious.

When to Call 911:

- If the person becomes unconscious
- If the object is not dislodged after 5 back blows and 5 abdominal thrusts
- If the person's condition worsens

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2010
 SUN MON TUE WED THU FRI SAT

2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

FROM SWIRLE FLD

	Compressions :	Inflation :	Hand :	Rate :
Adult	30	2	both	5
Children (1-8 years)	30	2	one	5
Babies (1-12 months)	30	2	2 fingers	5
Infant (1-23 days)	30	2	2 fingers	5

Woman in light blue polo shirt standing on the left side of the table.

Woman in red polo shirt leaning over the table, observing the baby.

Woman in orange shirt sitting and holding a baby in a green outfit.

Woman in grey polo shirt standing and looking at the baby.

Woman in dark brown top and patterned skirt standing on the right side of the table.

Red tablecloth with various items: a black first aid kit, a patterned handbag, a black woven bag, a blue and white device, a small white box, and some papers.





THANK
YOU