

# A New Model of Care for Dermatology Patients

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# Overview

- Background
- Proposed outcomes
- Development of model
- Implementation
- Results
- Challenges
- Benefits of model



# Background

- Eczema is a chronic illness
- Patients admitted for extensive treatments
- Traditionally patients admitted for an in-hospital stay
- HITH previously not considered



## Benefits of HITH

- Patient's own environment
- Opportunity to assess environmental aggravators
- Assessment of ongoing family compliance
- Cost benefit



# Purpose

- Safely provide equivalent inpatient care to the paediatric patient with eczema in their home environment.
- Provide a Family Centred model of care



# Outcomes

## Evaluation of the model

- Improvement in severity of eczema (SCORAD)
- Number of re-admissions within 24hrs, 7 days or 28 days following discharge
- Decrease in hospital admissions
- Increased numbers of referrals to HITH
- Decreased length of stay for inpatients with a primary diagnosis of eczema



# Development of Model of Care

- Steering Committee
  - Multidisciplinary team members
  - Consultation with Gen Med, SSU and ER
- Clinical Pathway Review
- Patient selection criteria established



# Eczema Decision Making Guidelines

HITH	SSU	Home	Ward
<p>Admission Criteria:</p> <ul style="list-style-type: none"> <li>Require 'inpatient care'</li> <li>Medically stable</li> </ul>	<p>Admission Criteria:</p> <ul style="list-style-type: none"> <li>Require 24-36 hour inpatient care</li> <li>New presentation</li> <li>Medically stable</li> </ul>	<p>Criteria:</p> <ul style="list-style-type: none"> <li>Medically Well</li> <li>Parents competent in eczema dressings.</li> </ul>	<p>Admission Criteria:</p> <ul style="list-style-type: none"> <li>Patient Systemically unwell</li> <li>Patient 'at risk'</li> </ul>
<ul style="list-style-type: none"> <li>Consult Dermatology Team</li> <li>Review by Dermatology Registrar prior to admission to HITH.</li> </ul>	<ul style="list-style-type: none"> <li>Consult Dermatology Team re. Suitability.</li> <li>Bacterial/Viral swabs taken if required</li> </ul>	<ul style="list-style-type: none"> <li>Education undertaken by emergency nursing staff.</li> <li>Family to watch "Cool ways to beat eczema" video/DVD.</li> <li>Eczema booklet and wet dressings handout to be given to family.</li> </ul>	<ul style="list-style-type: none"> <li>Consult Dermatology Team re. Suitability.</li> <li>Bacterial/Viral swabs taken if required</li> <li>Intravenous line inserted and antibiotics/acyclovir commenced.</li> </ul>
<p>Contact Home and Community Care and follow flowchart.</p>	<p>Consider commencing Eczema clinical pathway.</p>	<p>Child Discharged Home</p>	<p>Child transferred to Inpatient Ward.</p>



# Implementation

## Education of Home and Community Care

- Eczema education session by Dermatology Nurse Consultant
- Self-learning tool
- Eczema workshop participation
- Discharge summary education
- SCORAD education



# Results – Severity of Eczema

- No data collected
- Further education required
- SCORAD education sessions developed



# Results - Readmissions

- No re-admissions within 24hrs, 7 days or 28 days following discharge from hospital or HITH
- Equivalent care to in hospital admissions



## Results – Episodes of Care

<b>Patients discharged in Jan - June</b>	<b>2006</b>	<b>2007</b>
<b>Episodes of care</b>	200	247
<b>HITH episodes of care</b>	6 (3%)	38 (15%)



## Results – Length of Stay

<b>Patients discharged in Jan - June</b>	<b>2006</b>	<b>2007</b>
<b>Average total LOS</b>	3.5 days	3.4 days
<b>Average hospital LOS</b>	3.4 days	3 days



# Road Blocks!

- Acceptance of change in practice
- Dissemination of Model to Medical Teams involved
- Length of stay
- Coordinating and sustaining education package



## Benefits of Model

- Reduced disruption to family system
- Opportunity to assess home environment
- Opportunity to assess family's compliance with treatment at home
- Hospital Demand management benefits
- Cost benefit of 53%



# Summary

- Patients cared for in the most appropriate environment
- HITH model of care
- Education tool
- Outcomes
  - Increased referrals to HITH
  - Decreased length of in hospital stay
  - Equivalent care to in hospital admissions
  - More cost effective

