APPENDIX

STUDY OF CELL MEDIATED IMMUNITY IN PROTEIN ENERGY MALNUTRITION

CASE PROFORMA

Case No. M.R.D.No. :
Name : Age/Sex: D.O.B.
Father's Name :
Address :

Occupation : Father : Mother :
Total income of family: Rs. /Month
Per capita income Rs. /Month

Present history :

Family history :

Past illness :
(1) Fever
(2) Chronic diarrhoea
(3) Failure to thrive
(4) Worm infestation
(5) Cough
(6) Vomiting
(7) Pertussis
(8) Measles
(9) BCG Vaccination Yes/No
(10) History of taking steroid

Genealogical tree :
Dietary History:

<table>
<thead>
<tr>
<th>Diet</th>
<th>Age at starting</th>
<th>Upto age</th>
<th>Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breast milk</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Artificial milk</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Added artificial milk</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid added</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Present diet:

<table>
<thead>
<tr>
<th>Calories</th>
<th>Protein</th>
<th>Adequate/Inadequate</th>
</tr>
</thead>
</table>

Immunization history:

- Smallpox
- BCG
- Polio
- DPT

I
II
III

Antenatal, Natal and Post-natal history:

Developmental History:

Motor

<table>
<thead>
<tr>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

(1) Head control
(2) Sitting
(3) Crawling
(4) Standing With support Without support
(5) Walking
(6) Running

Manipulative

(1) Grasp
(2) Self feeding: Spoon Cup
(3) Help in dressing
Social

(1) Smile (Social)
(2) Response to call by name
(3) Sphinter control
   Bladder day night
   Bowel day night

Speech

(1) Single word (mama, etc.)
(2) Jargon
(3) Small broken sentences
(4) Long sentences

CLINICAL EXAMINATION

General appearance Healthy / Malnourished
Psychomotor change Irritable / Apathetic

Hair:
   Texture
   Colour
   Easy pluckability
   Sparseness
   Brittle

Face
   Moon face

Eye
   Conjunctival xerosis
   Bitot's spot
   Pale conjunctiva

Mouth
   Angular stomatitis
   Chelosis
   Glossitis
   Bleeding gums

Dentition
Skin
- Oedema
- Follicular hyper-keratosis
- Pellagrous dermatosis
- Flaky paint dermatosis
- Diffuse dipigmentation
- Mosaic dermatosis

Subcutaneous fat :

Muscle fat :

Skeletal system :
- Epiphyseal enlargement
- Rickety rosary
- Anterior fontanelle
- Harrison's sulcus
- Frontal bossing
- Knock knee
- Bow leg

Abdomen :
- Liver
- Spleen
- Pot belly
- Others

Cardio-vascular system :

Respiratory system :

Central Nervous system :

Anthropometric measurement :

<table>
<thead>
<tr>
<th>Weight</th>
<th>kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crown heel</td>
<td></td>
</tr>
<tr>
<td>Length/Height</td>
<td>cm.</td>
</tr>
</tbody>
</table>

Investigation :

Blood :
- TLC - /cu.mm.
- DLC -
- Hb - gm %
Urine:
1. Albumin
2. Sugar

Total serum protein/
Serum albumin gm %

T-cell count (E rosette)

B-cell count (EAC rosette)

DNOCB skin test

Sensitizing:
Response
48 hrs.

Challenge:

******