

Supplementary Material Annexures 1–5

Annexure I – Proforma

Electronic pill box- an easy and effective strategy to strengthen adherence to 6-MP during maintenance chemotherapy for pediatric Acute Lymphoblastic Leukemia.

Name of the patient:

Age:Gender:

Patient hospital no:

Address:

Distance from hospital:

Phone number:

Anthropometry

Weight: Height: BMI(for children > 5yrs): BSA:

Diagnosis: B-ALL: T-ALL:

Date of diagnosis:

Risk stratification:

As per NCI:Treatment risk stratification:

Post induction MRD status:

Date of initiation of Maintenance chemotherapy:

Current number of Maintenance cycle:

Dose of 6mp as per BSA: Total dose:

Dose of methotrexate as per BSA: Total dose:

TPMT mutation status: Positive: negative:

Date of collection of first sample/ date of enrollment in the study:

Proposed date of collection of second sample:

Baseline morisky score: Parent: Patient(if age >10 yrs):

Morisky score on follow up (after 2 months): Parent: patient(if age >10 yrs):

Baseline levels: 6TGN:6MMP:

Follow up levels: 6TGN:6MMP:

Baseline CBC at the time of collection of 1st sample: Hb: TLC: ANC: Platelet count:

CBC at the time of collection of 2nd sample: Hb:TLC: ANC: Platelet count:

Mean ANC over 2 months:

Baseline & follow up LFT:

Any interruption in maintenance chemotherapy: Yes: no:

If yes then duration: Cause:

Any features of drug toxicity:

Satisfactory usage of smart pill box: yes: no:

Demographic details of patient and family:

Ethnicity:

H/o consanguinity: yes: no:

Family history of cancer: yes: no:

No of siblings:

Socio economic status as per modified bg prasad:

Parent's details

Mother father

Name: name:

Age: age:

Education: education:

Type of family:

Total number of family members:

Annexure II: MMAS for Caregiver

Morisky Medication Adherence Scale (MMAS)

For caregiver

1. Do you sometimes forget to give medications?	YES	NO
2. People sometimes miss giving medications for reasons other than forgetting. Thinking over the past two weeks, were there any days when you did not give the medications?	YES	NO
3. Have you ever cut back or stopped giving medications without telling your doctor, because the child felt worse when he/she took it?	YES	NO
4. When you travel or leave home with the child, do you sometimes forget to bring along child's medications?	YES	NO
5. Did you give the medications yesterday?	YES	NO
6. When you feel like the child's health condition is under control, do you sometimes stop giving the medications to the child?	YES	NO
7. Giving medications everyday is a real inconvenience for some people. Do you ever feel hassled about sticking to the child's treatment plan?	YES	NO
8. How often do you have difficulty remembering to give the medications?	Never/Rarely Once in a while Sometimes Usually All the time	4 3 2 1 0

Annexure III: MMAS for Patient

Morisky Medication Adherence Scale (MMAS)

For Patient

1. Do you sometimes forget to take medications?	YES	NO
2. People sometimes miss taking medications for reasons other than forgetting. Thinking over the past two weeks, were there any days when you did not take the medications?	YES	NO
3. Have you ever cut back or stopped taking medications without telling your doctor, because you felt worse when you took it?	YES	NO
4. When you travel or leave home, do you sometimes forget to bring along the medications?	YES	NO
5. Did you take the medications yesterday?	YES	NO
6. When you feel like your health condition is under control, do you sometimes stop taking the medications?	YES	NO
7. Taking medications everyday is a real inconvenience for some people. Do you ever feel hassled about sticking to the treatment plan?	YES	NO
8. How often do you have difficulty remembering to take the medications?	Never/Rarely Once in a while Sometimes Usually All the time	4 3 2 1 0

Annexure IV: Modified BG Prasad Classification**MODIFIED BG PRASAD CLASSIFICATION 2020**

Social Class	Income in rupees/month
I	7533 and above
II	3766-7532
III	2260-3765
IV	1130-2259
V	1129 and below

Annexure V- Morisky Medication Adherence Scale (MMAS)**ರೋಗಿಗೆ**

1. ನೀವು ಕೆಲವೊಮ್ಮೆ ಮಾತ್ರ ತೆಗೆದುಕೊಳ್ಳಲು ಮರೆತಿದ್ದೀರಾ?	ಹೌದು	ಇಲ್ಲ
2. ಜನರು ಕೆಲವೊಮ್ಮೆ ಮರೆತುಹೋಗುವುದನ್ನು ಬಿಟ್ಟು ಬೇರೆ ಕಾರಣಗಳಿಗಾಗಿ ಮಾತ್ರ ತೆಗೆದುಕೊಳ್ಳುವುದನ್ನು ತಪ್ಪಿಸುತ್ತಾರೆ. ಕಳೆದ ಎರಡು ವಾರಗಳಲ್ಲಿ ಯೋಚಿಸುತ್ತಾ, ನೀವು ಮಾತ್ರ ತೆಗೆದುಕೊಳ್ಳದ ಯಾವುದೇ ದಿನಗಳು ಇದ್ದವು?	ಹೌದು	ಇಲ್ಲ
3. ನಿಮ್ಮ ವೈದ್ಯರಿಗೆ ಹೇಳದೆ ನೀವು ಎಂದಾದರೂ ಮಾತ್ರ ತೆಗೆದುಕೊಳ್ಳುವುದನ್ನು ನಿಲ್ಲಿಸಿದ್ದೀರಾ, ಏಕೆಂದರೆ ನೀವು ಅದನ್ನು ತೆಗೆದುಕೊಂಡಾಗ ಕೆಟ್ಟದಾಗಿದೆ ಎಂದು ಭಾವಿಸಿದ್ದೀರಾ?	ಹೌದು	ಇಲ್ಲ
4. ನೀವು ಪ್ರಯಾಣಿಸುವಾಗ ಅಥವಾ ಮನೆಯಿಂದ ಹೊರಡುವಾಗ, ನೀವು ಕೆಲವೊಮ್ಮೆ ಮಾತ್ರ ಜೊತೆಗೆ ತರಲು ಮರೆಯುತ್ತೀರಾ?	ಹೌದು	ಇಲ್ಲ
5. ನೀವು ನಿನ್ನೆ ಮಾತ್ರ ತೆಗೆದುಕೊಂಡಿದ್ದೀರಾ?	ಹೌದು	ಇಲ್ಲ
6. ಆರೋಗ್ಯ ಸ್ಥಿತಿ ನಿಯಂತ್ರಣದಲ್ಲಿದೆ ಎಂದು ನಿಮಗೆ ಅನಿಸಿದಾಗ, ನೀವು ಕೆಲವೊಮ್ಮೆ ಮಾತ್ರ ತೆಗೆದುಕೊಳ್ಳುವುದನ್ನು ನಿಲ್ಲಿಸುತ್ತೀರಾ?	ಹೌದು	ಇಲ್ಲ
7. ಪ್ರತಿದಿನ ಮಾತ್ರ ತೆಗೆದುಕೊಳ್ಳುವುದು ಕೆಲವು ಜನರಿಗೆ ನಿಜವಾದ ಅನಾನುಕೂಲವಾಗಿದೆ. ಚಿಕಿತ್ಸೆಯ ಯೋಜನೆಗೆ ಅಂಟಿಕೊಳ್ಳುವುದರ ಬಗ್ಗೆ ನೀವು ಎಂದಾದರೂ ತೊಂದರೆ ಅನುಭವಿಸುತ್ತೀರಾ?	ಹೌದು	ಇಲ್ಲ
8. ಮಾತ್ರ ತೆಗೆದುಕೊಳ್ಳಲು ನಿಮಗೆ ಎಷ್ಟು ಬಾರಿ ನೆನಪಿಟ್ಟುಕೊಳ್ಳುವುದು ಕಷ್ಟ?	ಎಂದಿಗೂ ಇಲ್ಲ / ವಿರಳವಾಗಿ	4
	ಒಮ್ಮೊಮ್ಮೆ	3
	ಕೆಲವೊಮ್ಮೆ	2
	ಸಾಮಾನ್ಯವಾಗಿ	1
	ಯಾವಾಗಲೂ	0