

Appendix 4

Rai Classification

Rai Classification separates chronic lymphocytic leukemia into low, intermediate, and high-risk categories, corresponding with stages 0, I, II, III & IV

- **Rai Stage 0** patients are low risk and have lymphocytosis, a high lymphocyte count defined as more than 15,000 lymphocytes per cubic millimeter ($> 15,000 /\text{mm}^3$).
- **Rai Stage I** patients are intermediate risk and have lymphocytosis plus enlarged lymph nodes (lymphadenopathy).
- **Rai Stage II** patients are also intermediate risk but have lymphocytosis plus an enlarged liver (hepatomegaly) or enlarged spleen (splenomegaly), with or without lymphadenopathy.
- **Rai Stage III** patients are high-risk and have lymphocytosis plus anemia, a low red blood cell count (hemoglobin $< 11 \text{ g/dL}$), with or without lymphadenopathy, hepatomegaly, or splenomegaly.
- **Rai Stage IV** patients are also high-risk but have lymphocytosis plus thrombocytopenia, a low number of blood platelets ($< 100 - 103 /\text{dL}$).