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FACULTY HIGHLIGHTS IN THERAPY: CHRONIC MYELOID LEUKEMIA



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DISCLOSURES

HIGHLIGHTS IN THERAPY: CHRONIC MYELOID LEUKEMIA

Dr. Gabriela Hobbs, has the following financial relationships to disclose: Abbvie, Morphosys, BMS, Pfizer, Novartis, Pharmaxis and Cogent (Consultant); Incyte (Research Support).



Outline CML background CML treatment and monitoring Side-effect management Treatment free remission Quality of life New therapies on the horizon for CML

CML occurs from the reciprocal translocation between chromosomes 9 and 22 forming the BCR-ABL1 fusion gene. 15-20% of leukemias in adult Incidence of 1-2 cases per 100,000 Prevalence is increasing due success of current therapy Median age 50, slight male predominance Untreated CML will progress from: Chronic to accelerated to blast phase (similar to acute leukemia)

A bit of history

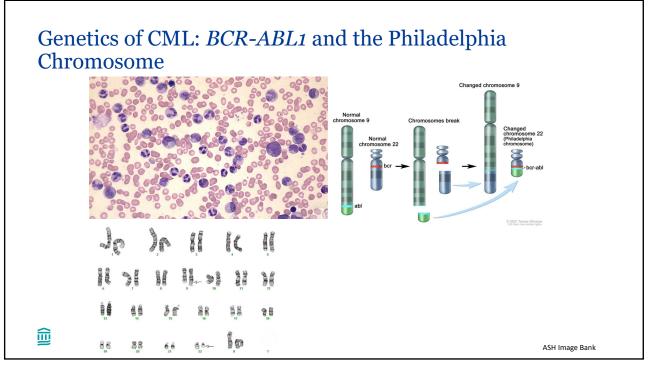
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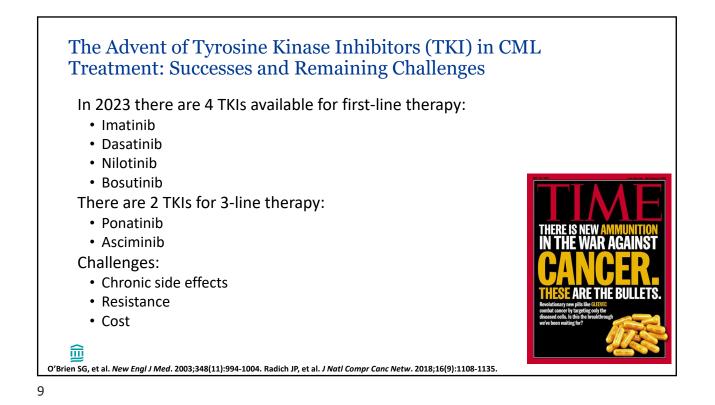


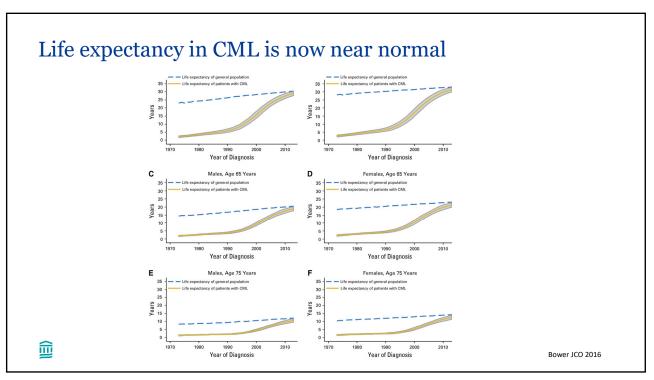
1951- William Dameshek described the concept of Myeloproliferative diseases including chronic granulocytic leukemia.

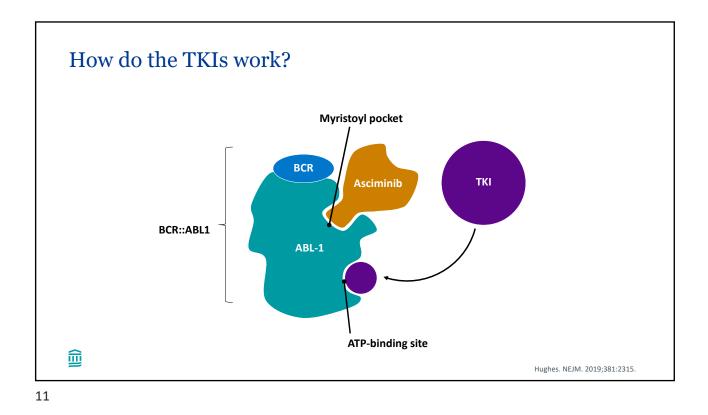


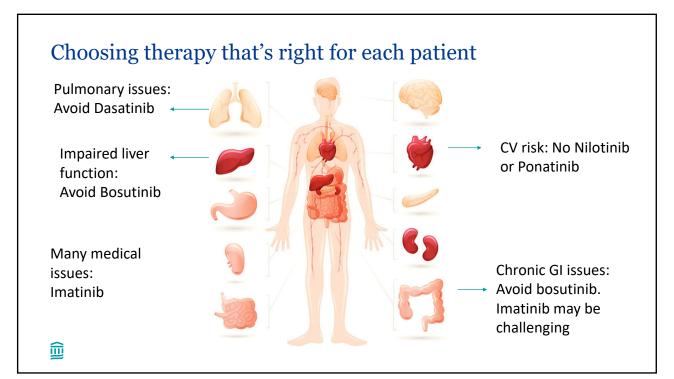
1959- David Hungerford and Peter Nowel observed abnormality in chromosomes cultured from CML patients. First cytogenetic change consistently associated with neoplasia.

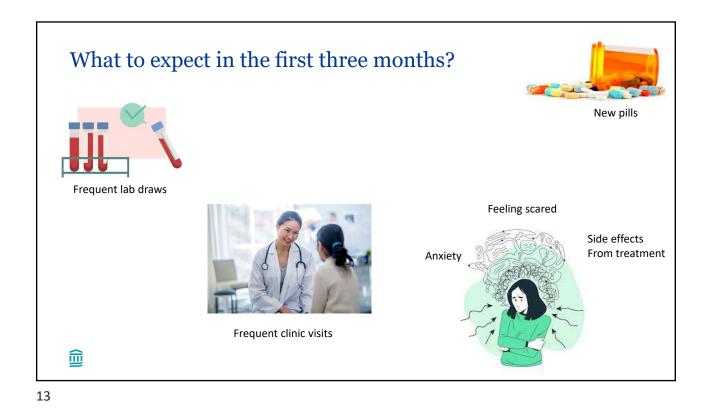








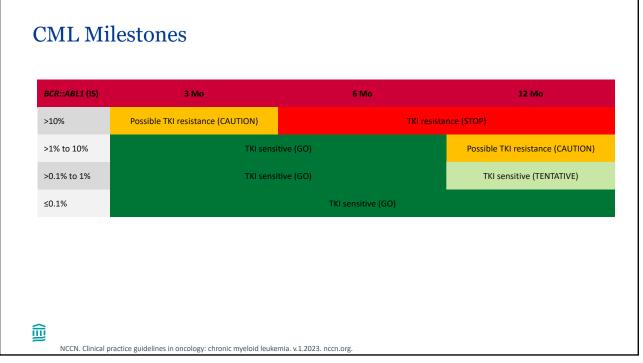


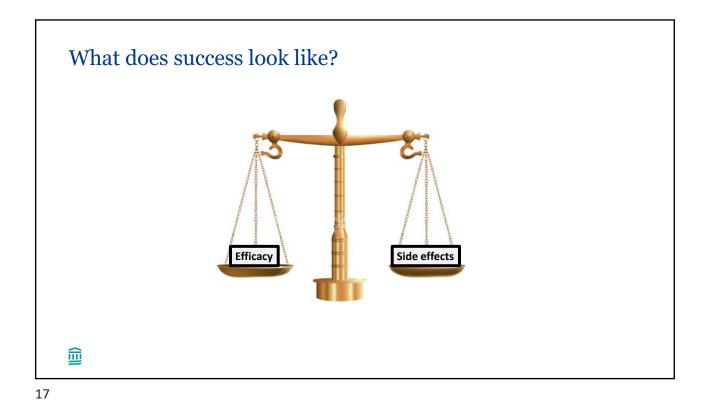




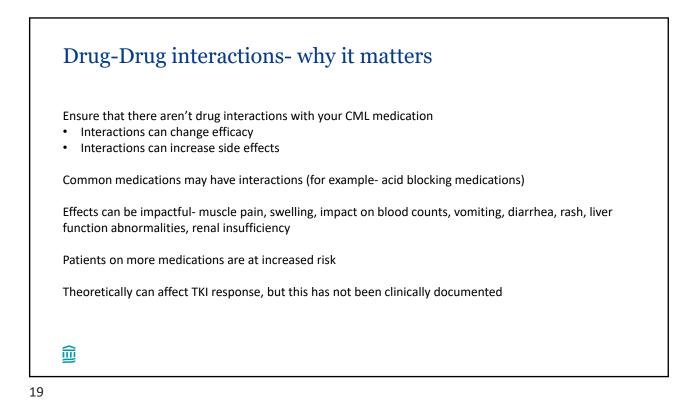
Monitoring First three months After MMR (PCR < 0.1) Side effects? Questions? First year Weekly to monthly visits Every 3 months Every 6 months Visits can occur more frequently Blood counts, check PCR- for BCR-ABL every 3 PCR- for BCR-ABL every 3 liver/kidney function months months Î

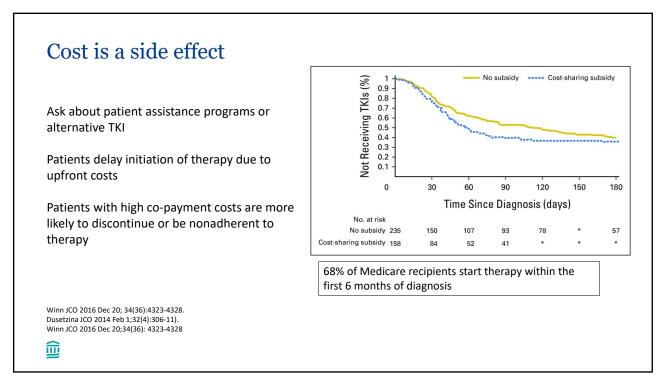
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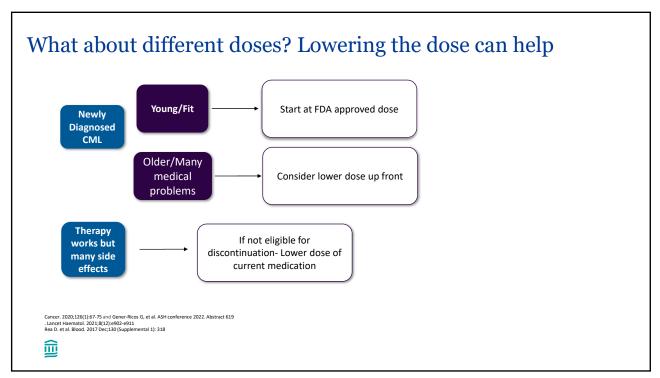


The goal of therapy is living well with CML-Supportive care is critical! Seek care if you don't feel well ТКІ Side effects Imatinib Fluid retention, fatigue, rash, myalgias, GI Dasatinib Pleural effusion (30% at 5 years), PAH Nilotinib Vascular events, PVD, hyperglycemia, QTc, rash Bosutinib Diarrhea, LFT elevation Ponatinib Thrombotic events, vascular occlusion, CHF, hepatotoxicity, headache, rash, pancreatitis, HTN Asciminib LFT elevation, increased blood pressure LFT= Liver function test CHF= Congestive heart failure PVD= peripheral vascular d Ē

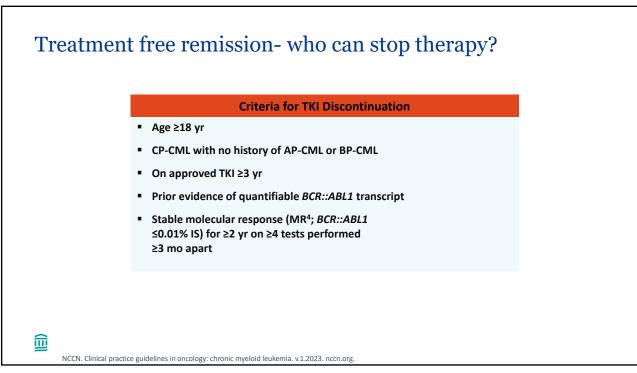


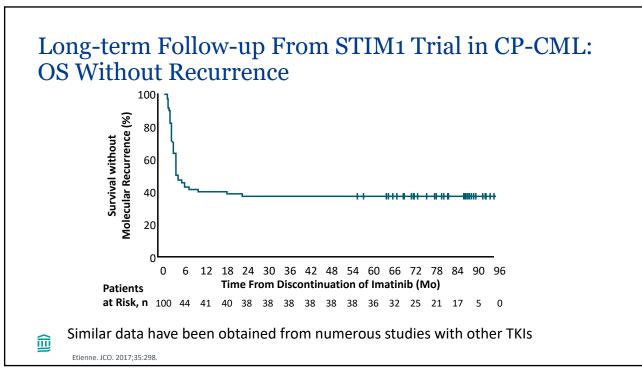


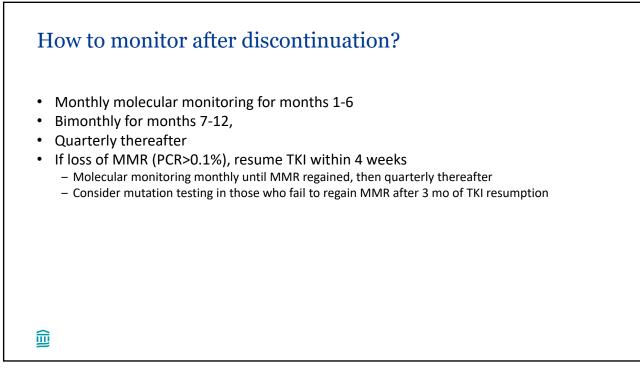


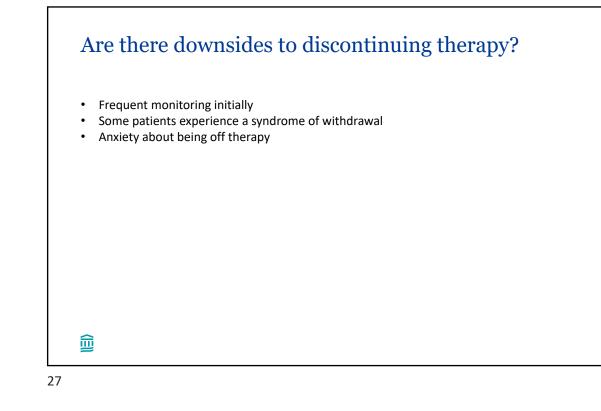


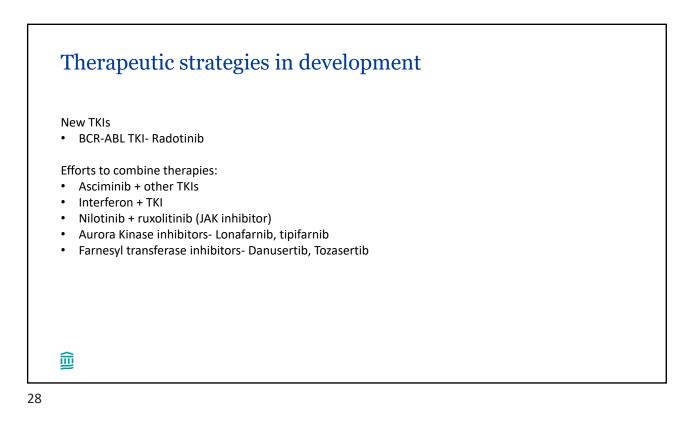


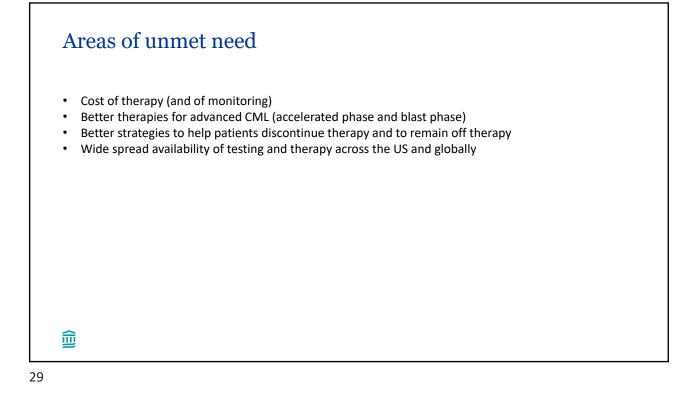


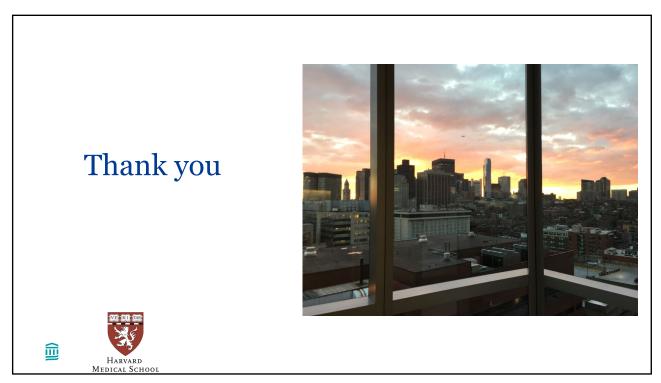














ASK A QUESTION HIGHLIGHTS IN THERAPY: CHRONIC MYELOID LEUKEMIA

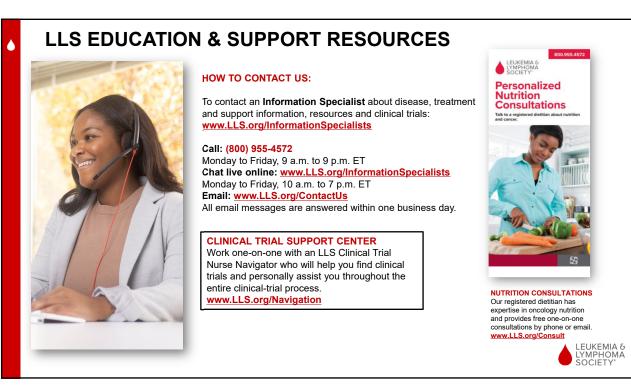
Ask a question by phone: Press star (*) then the number 1 on your keypad.

Ask a question by web:

Click "Ask a question" Type your question Click "Submit"

Due to time constraints, we can only take one question per person. Once you've asked your question, the operator will transfer you back into the audience line.





LEUKEMIA & LYMPHOMA SOCIETY°



