



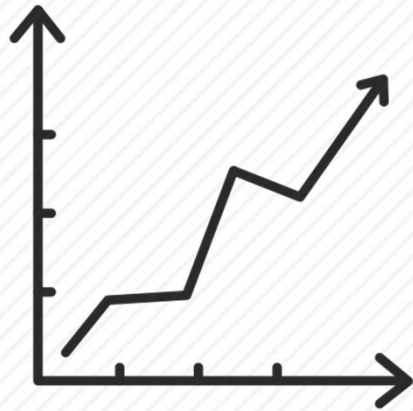
**What on earth are...**

*Myeloproliferative and  
Myelodysplastic*

**Blood Issues?**

**Robyn M. Scherber, M.D., M.P.H.**

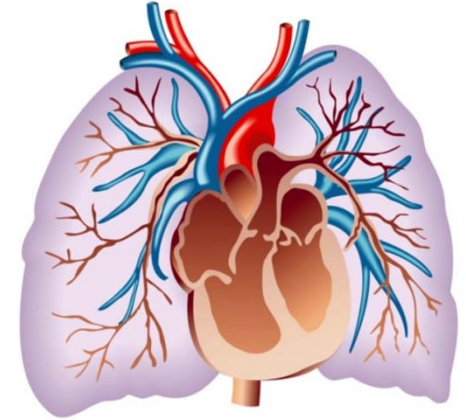
# When Do We Suspect Myeloid Issues?



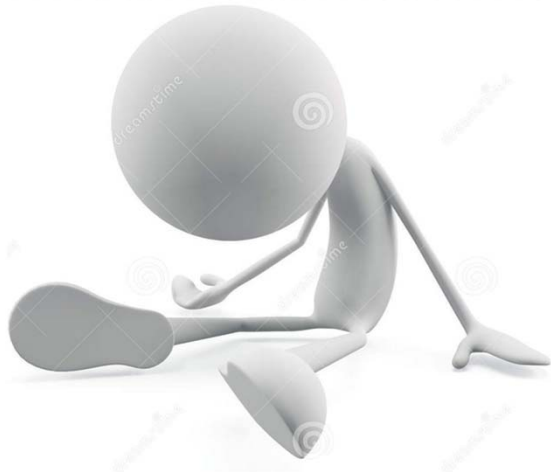
Abnormal Blood Counts



Blood Clots



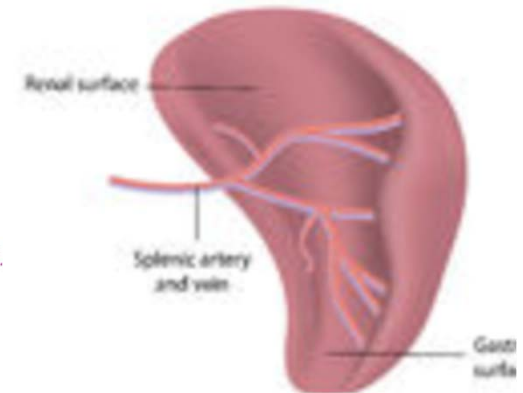
Shortness of Breath



Fatigue



Bleeding

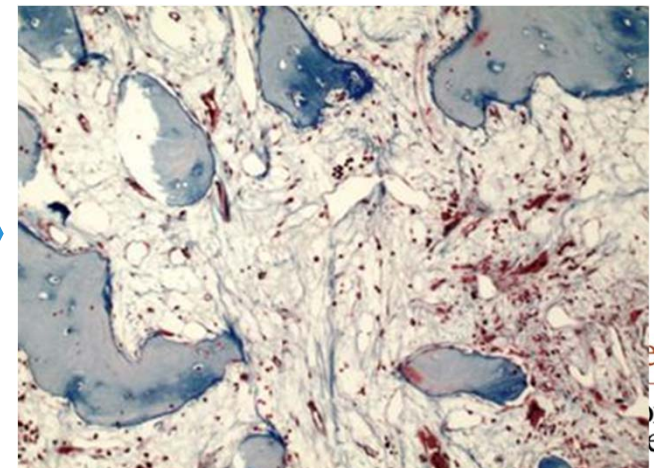
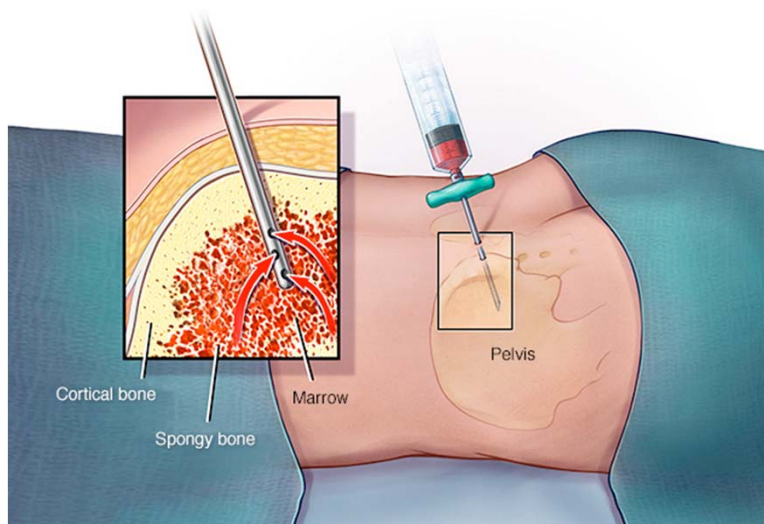


# Symptoms?



# Diagnosis

- **Key Parts of the Diagnosis:**
- Large spleen
- Abnormal blood counts
- Blood or bone marrow test for mutations and scarring
- Unusual symptoms





# Mutations in MPN/MDS



Some Driver Mutations  
Some Modifier Mutations

# Risk Assessment in Myelofibrosis

## Monitoring

Blood Counts

Blast Cells in the Blood

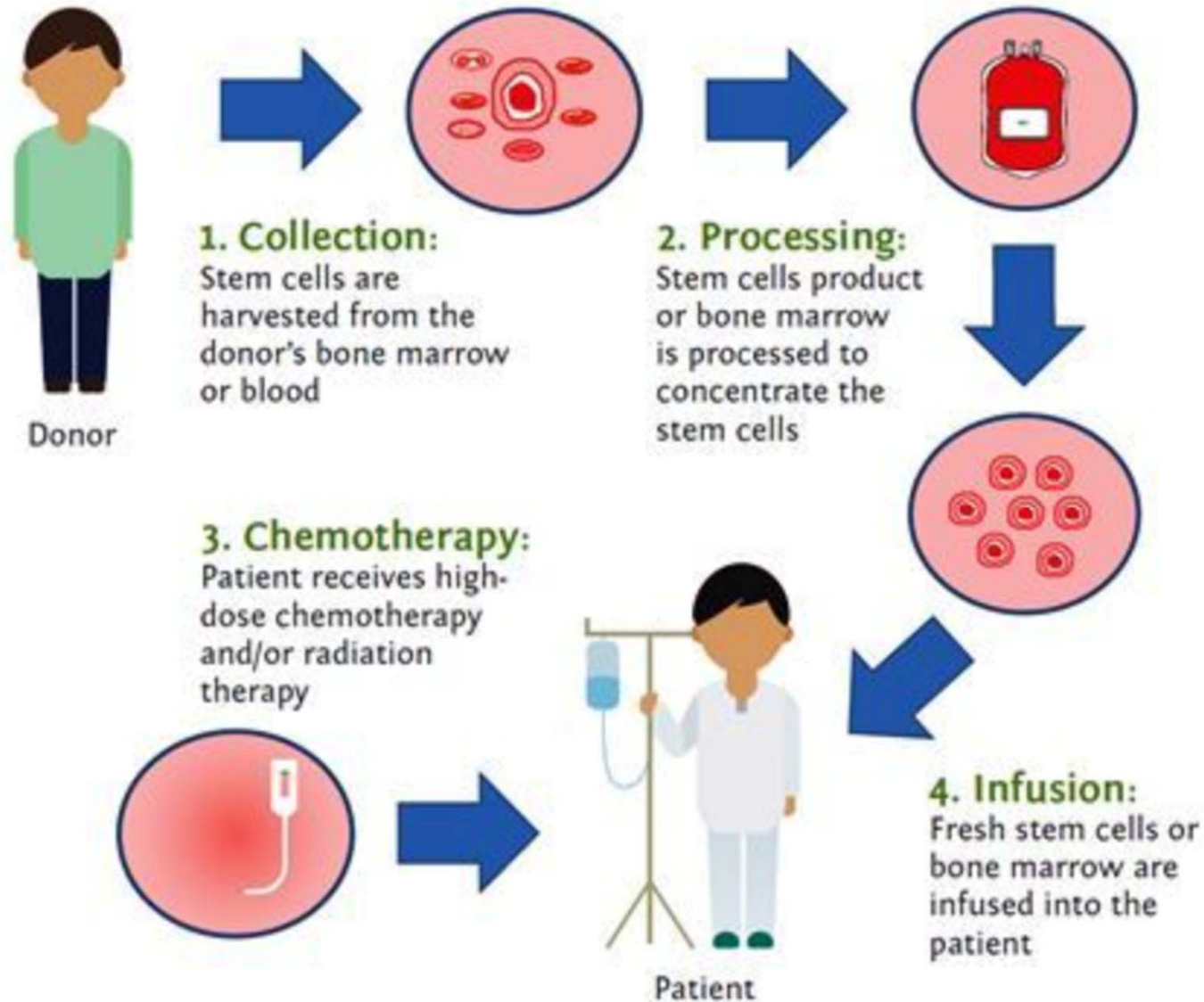
Spleen Size

Bleeding/Blood Clots

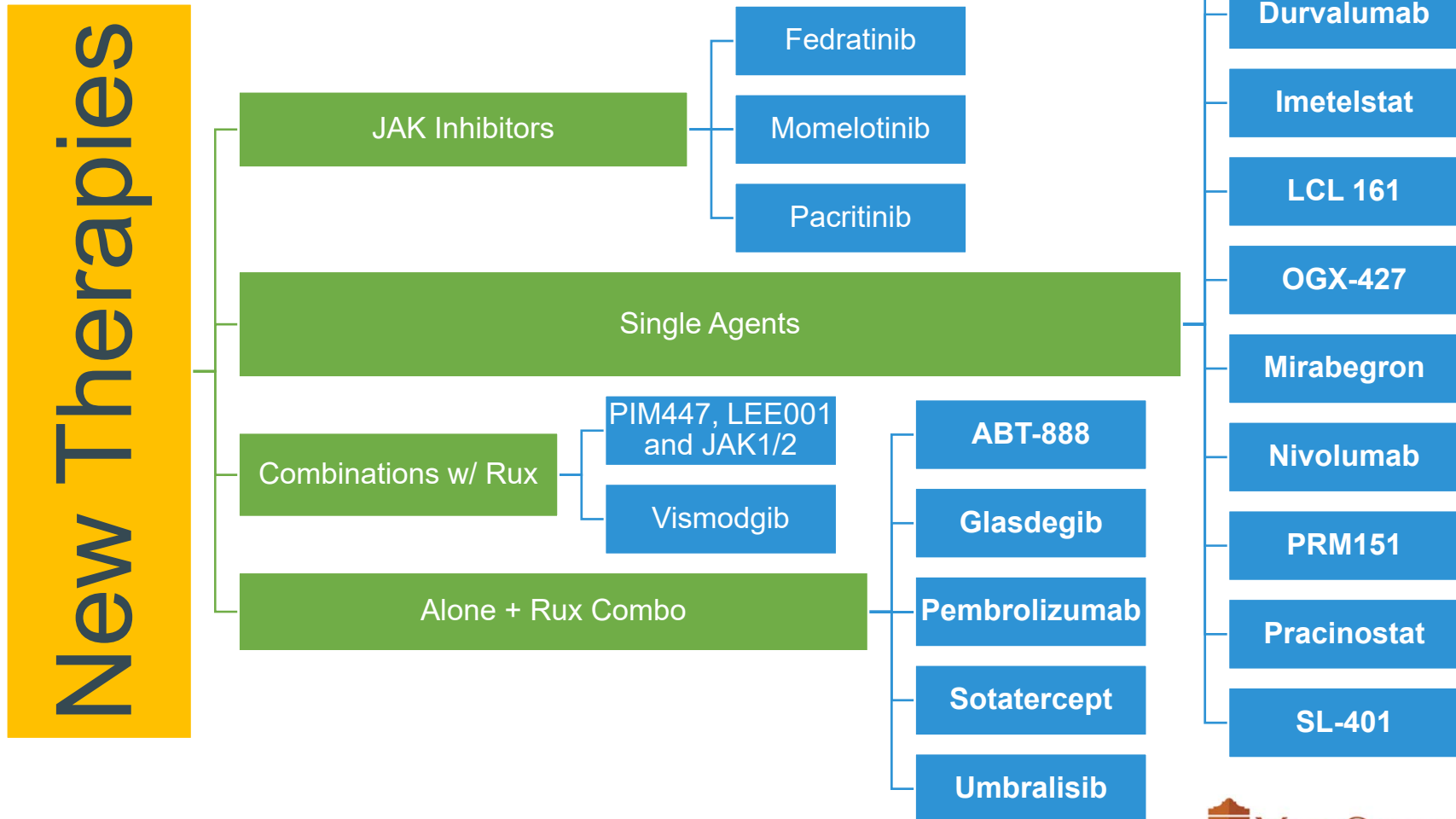
Scarring of Bone Marrow

Symptoms

# Stem Cell Transplant



# Clinical Trials





# Our research focuses on





Mays Cancer Center

UT Health  
San Antonio

MDAnderson  
~~Cancer Center~~

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