Is the FEV1/FVC low (<70%)?
- Yes → Obstructive Defect
- No
  - Is the FVC low (<80%)?
    - Yes → Pure Obstruction
    - No
      - Hyperinflation vs combined obstruction/restriction
        → Refer for Formal PFTs
      - Refer for Formal PFTs

Obstructive Defect
- Is the FVC low (<80%)?
  - Yes
    - Hyperinflation vs combined obstruction/restriction
      → Refer for Formal PFTs
  - No
    - Pure Obstruction
      → What is the FEV1?
        - FEV1 > 80% predicted = borderline obstruction
          FEV1 65-80% predicted = mild obstruction
          FEV1 50-64% predicted = moderate obstruction
          FEV1 < 50% predicted = severe obstruction

Pure Obstruction
- What is the FEV1?
  - FEV1 > 80% predicted = borderline obstruction
    FEV1 65-80% predicted = mild obstruction
    FEV1 50-64% predicted = moderate obstruction
    FEV1 < 50% predicted = severe obstruction
  - Reversible with beta agonist?
    - Yes → Asthma
    - No → COPD

Restrictive Defect
- Is the FVC low (<80%)?
  - No
    - Normal Spirometry
  - Yes
    - Refer for Formal PFTs

Normal Spirometry
- FVC 60-79% predicted = mild restriction
  FVC 50-59% predicted = moderate restriction
  FVC < 50% predicted = severe restriction

Refer for Formal PFTs

INTERPRETING SPIROMETRY

LEK - 09/08/2011