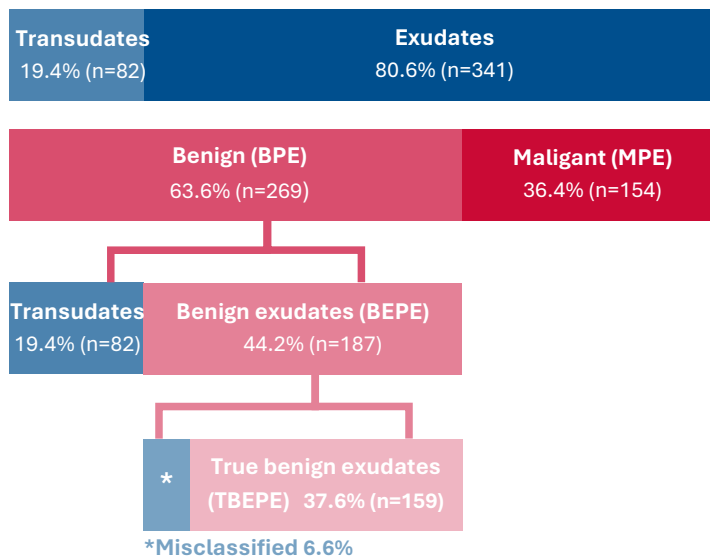


## Appendix 1

**Figure 1 - PE classification.** Data based on the analysis of 423 PE cases collected between January 2017 to August 2025.



**Table 1 - Diagnostic performance of Cancer Ratio (CR) in differentiating Malignant Pleural Effusion (MPE) from benign etiologies.** AUC: Area Under the Curve; BPE: Benign Pleural Effusion; BEPE: Benign Exudate Pleural Effusion; TBEPE: True Benign Exudate Pleural Effusion.

| CR comparing Mpe with |             | Bpe                 | BEpe                | TBEpe               |
|-----------------------|-------------|---------------------|---------------------|---------------------|
| AUC                   | (95% CI)    | 0.73<br>(0.69-0.78) | 0.86<br>(0.82-0.90) | 0.90<br>(0.86-0.93) |
|                       |             |                     |                     |                     |
| CR > 20               | Sensitivity | 76.0%               | 76.0%               | 76.0%               |
|                       | Specificity | 68.9%               | 88.2%               | 93.1%               |