Supplementary Table 5．Impact of prevalence of≥S1, ≥S2 and S3 on PPV and NPV of UAP, and for the cutoff for Se=0.90, cutoff for Youden index and cutoff for Sp=0.90

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| --- | --- | --- | --- | --- | --- |
|  | Prevalence | Justification | Cutoff for Se=0.90 | Cutoff for Youden index | Cutoff for Sp=0.90 |
| Diagnostic of ≥S1 |  |  | Cutoff =  214 dB/m | Cutoff= 244dB/m | Cutoff= 254dB/m |
|  | 0.59 | Actual prevalence in our cohort | PPV=74%  NPV=80% | PPV=89%  NPV=74% | PPV=91%  NPV=66% |
|  | 0.73 | Estimated prevalence in diabetic clinic [21] | PPV=84%  NPV=68% | PPV=94%  NPV=60% | PPV=95%  NPV=51% |
|  | 0.37 | Estimated prevalence in general population [22] | PPV=53%  NPV=91% | PPV=76%  NPV=88% | PPV=80%  NPV=83% |
| Diagnostic of ≥S2 |  |  | Cutoff = 260dB/m | Cutoff = 269dB/m | Cutoff = 275dB/m |
|  | 0.35 | Actual prevalence in our cohort | PPV=78%  NPV=94% | PPV=82%  NPV=93% | PPV=82%  NPV=90% |
|  | 0.68 | Estimated prevalence in diabetic clinic [21] | PPV=93%  NPV=81 | PPV=95%  NPV=76% | PPV=95%  NPV=70% |
|  | 0.15 | Estimated prevalence in general population [22] | PPV=53%  NPV=98% | PPV=59%  NPV=97% | PPV=60%  NPV=97% |
| Diagnostic of S3 |  |  | Cutoff= 296dB/m | Cutoff= 296dB/m | Cutoff= 311dB/m |
|  | 0.12 | Actual prevalence in our cohort | PPV=41%  NPV=98% | PPV=41%  NPV=98% | PPV=49%  NPV=96% |
|  | 0.38 | Estimated prevalence in diabetic clinic [21] | PPV=76%  NPV=93% | PPV=76%  NPV=93% | PPV=81%  NPV=84% |
|  | 0.02 | Estimated prevalence in general population [22] | PPV=10%  NPV=99.7% | PPV=10%  NPV=99.7% | PPV=13%  NPV=99.4% |