|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **mpUS and Bmode Index of Suspicion Criteria**   |  | | --- | | **IOS Criteria Ranking** | | IOS1 = Clinically significant cancer is highly unlikely to be present  IOS2 = Clinically significant cancer is unlikely to be present  IOS3 = Clinically significant cancer is equivocal  IOS4 = Clinically significant cancer is likely to be present  IOS5 = Clinically significant cancer is highly likely to be present | | | | | |
| Peripheral Zone | **Contralateral Symmetry** | **Intensity / Contrast** | **Texture** | **Margin** |
| IOS 1 | Symmetric or Asymmetric | Hyper- or Iso-intense, low contrast | Homogeneous | Distinct or Indistinct |
| IOS 2 | Asymmetric | Hypointense, low-to-medium contrast | Heterogeneous | Indistinct |
| IOS 3  *(Including all others not listed as 2, 4, 5)* | Asymmetric | Hypointense, medium contrast | Heterogeneous | Indistinct |
| IOS 4 | Asymmetric | Hypointense, medium-to-high contrast in 3 views | Predominantly homogeneous but with some heterogeneity present | Distinct |
| IOS 5 | Asymmetric | Hypointense, high contrast in 3 views | Homogeneous in all 3 views | Distinct |
|  | | | | |
| Transition Zone | **Contralateral Symmetry** | **Intensity / Contrast** | **Texture** | **Margin** |
| IOS 1 | Symmetric or Asymmetric | Hyper- or Iso-intense, low contrast | Homogeneous | Distinct or Indistinct |
| IOS 2 | Asymmetric | Hypointense, medium contrast | Heterogeneous | Indistinct  *OR*  Encapsulated nodule (BPH) |
| IOS 3  *(Including all others not listed as 2, 4, 5)* | Asymmetric | Hypointense, medium-to-high contrast | Homogeneous | Indistinct |
| IOS 4 | Asymmetric | Hypointense, high contrast in 3 views | Predominantly homogeneous texture but could have some heterogeneity present | Distinct (not encapsulated/nodule) |
|  | | | | |
| Central Zone | **Contralateral Symmetry** | **Intensity / Contrast** | **Texture** | **Margin** |
| IOS 1 | Symmetric or Asymmetric | Hyper- or Iso-intense, low contrast | Homogeneous | Distinct or Indistinct |
| IOS 2 | Symmetric | Hypointense, high contrast | Homogeneous | Distinct or Indistinct |
| IOS 3 | Asymmetric | Hypointense, high contrast | Homogeneous | Distinct |

|  |  |  |  |  |
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| Category Examples | | | | |
| Contralateral Symmetry | Symmetric | | Asymmetric | |
|  | | *or* | |
| Intensity/Contrast | Hyperintense | Hypointense, Low Contrast | Hypointense, Medium Contrast | Hypointense, High Contrast |
|  |  |  |  |
| Texture | Homogeneous | | Heterogeneous | |
|  | | *or* | |
| Margin | Indistinct | | Distinct | |
|  | |  | |

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| --- | --- | --- | --- |
| Lesion Examples | Axial | Coronal | Sagittal |
| IOS 3 |  |  |  |
| IOS 4 |  |  |  |
| IOS 5 |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Benign Features | | Axial | Coronal | | | Sagittal |
| BPH: | |  |  | | |  |
| Masking Artifacts: | | | | Calcifications: | | |
| Cysts: | mpUS: | | | | Bmode: | |