

Supplementary Figure 1: Treatment options for atrial fibrillation in cancer patients.

## TREATMENT OF ATRIAL FIBRILLATION AND ONCOLOGY

Thrombosis prevention	Rhythm control	Rate control
<p><b>VKA</b></p> <p>Check for:</p> <ul style="list-style-type: none"> <li>Active bleeding</li> <li>INR</li> <li>drug interactions</li> </ul> <p><b>DOAC</b></p> <p>Check for:</p> <ul style="list-style-type: none"> <li>Active bleeding</li> <li>PLT</li> <li>drug interactions</li> <li>Kidney function</li> </ul> <p><b>LMWH</b></p> <p>Check for:</p> <ul style="list-style-type: none"> <li>Active bleeding</li> <li>PLT</li> </ul> <p><b>LAA occlusion</b></p> <p>Check for:</p> <ul style="list-style-type: none"> <li>Thrombus in LAA</li> </ul>	<p><b>CARDIOVERSION</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Pharmacological cardioversion</li> <li><input type="checkbox"/> Electrical cardioversion</li> </ul> <p>⚠ check for thrombus in LAA if AF &gt; 48 h</p> <p><b>Transcatheter ABLATION</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Thermal ablation (Cryo-energy or Radiofrequency)</li> <li><input type="checkbox"/> Pulsed field ablation (Electroporation)</li> </ul> <p>⚠ check for thrombus in LAA</p>	<ul style="list-style-type: none"> <li>❖ Beta-blockers should be considered in patients who develop well-tolerated AF while they are receiving active cancer treatment</li> <li>❖ The optimal heart rate target in AF patients is unclear</li> <li>❖ A resting heart rate &lt;110 bpm (i.e. lenient rate control) should be considered as the initial heart rate target for rate control therapy</li> </ul>

Treatments are provided at three different levels: 1. Thrombosis prevention which involves both pharmacological (vitamin K antagonist (VKA), direct oral anticoagulants (DOAC), Low-Molecular-Weight Heparin (LMWH)), and interventional therapy (Left atrial appendage (LAA) occlusion). 2. Rhythm control approaches: cardioversion and transcatheter ablation with their options. 3. Rate control strategies: medications used and goals to be obtained in cancer patients.