

# Clinical characteristics, management, and outcomes of patients with primary cardiac angiosarcoma: A systematic review

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## Supplementary material 1. Search strategies.

### PubMed

**#1:** heart[MESH] OR hearts[mesh] OR myocardium[mesh] OR Cardiac Muscle[mesh] OR Muscle, Heart[mesh] OR Heart Muscle[mesh] OR Heart Muscles[mesh] OR Muscles, Heart[mesh] OR Myocardia[mesh] OR Muscle, Cardiac[mesh] OR Cardiac Muscles[mesh] OR Muscles, Cardiac[mesh] OR endocardium[mesh] OR endocardiums[mesh] OR heart[tiab] OR hearts[tiab] OR myocardium[tiab] OR "Cardiac Muscle"[tiab] OR "Heart Muscle"[tiab] OR "Heart Muscles"[tiab] OR Myocardia[tiab] OR "Cardiac Muscles"[tiab] OR cardiac[tiab] OR endocardium[TIAB] OR endocardiums[TIAB] OR "heart muscle structure"[tiab] OR "heart muscle volume"[tiab] OR "myocardial muscle"[tiab] OR "myocardial structure"[tiab] OR "myocardium extract"[tiab] OR "myocardium structure"[tiab] OR endocard[tiab] OR endocardial[tiab] OR cor[tiab] OR "cardiac effect"[tiab] OR "myocardial tissue"[tiab] OR heart[OT] OR hearts[OT] OR myocardium[OT] OR cardiac muscle[OT] OR Muscle, Heart[OT] OR Heart Muscle[OT] OR Heart Muscles[OT] OR Muscles, Heart[OT] OR Myocardia[OT] OR Muscle, Cardiac[OT] OR Cardiac Muscles[OT] OR Muscles, Cardiac[OT] OR endocardium[OT] OR endocardiums[OT] OR muscle, heart[OT] OR heart muscle structure[OT] OR heart muscle volume[OT] OR myocardial muscle[OT] OR myocardial structure[OT] OR myocardium extract[OT] OR myocardium structure[OT] OR endocard[OT] OR endocardial[OT] OR cor[OT] OR cardiac effect[OT] OR myocardial tissue[OT]

**#2:** hemangiosarcoma[MESH] OR hemangiosarcomas[MESH] OR angiosarcoma[MESH] OR angiosarcomas[MESH] OR haemangioendothelioma, malignant[MESH] OR hemangioendothelioma, malignant[MESH] OR angiosarcoma[tiab] OR angiosarcomas[tiab] OR angioendotheliosarcoma[tiab] OR haemangiosarcoma[tiab] OR "hemangio endothelial sarcoma"[TIAB] OR "hemangio endotheliosarcoma"[TIAB] OR "hemangio sarcoma"[TIAB] OR "hemangioendothelial sarcoma"[TIAB] OR hemangioendotheliosarcoma[TIAB] OR hemangiosarcoma[TIAB] OR hemangiosarcomas[TIAB] OR "malignant haemangioendothelioma"[TIAB] OR "malignant hemangioendothelioma"[TIAB] OR angiosarcoma[OT] OR angiosarcomas[OT] OR angioendotheliosarcoma[OT] OR haemangiosarcoma[OT] OR hemangio endothelial sarcoma[OT] OR hemangio endotheliosarcoma[OT] OR hemangio sarcoma[OT] OR hemangioendothelial sarcoma[OT] OR hemangioendotheliosarcoma[OT] OR hemangiosarcoma[OT] OR hemangiosarcomas[OT] OR

malignant haemangioendothelioma[OT] OR malignant hemangioendothelioma[OT] OR haemangioendothelioma, malignant[OT] OR hemangioendothelioma, malignant[OT]

## **#1 AND #2**

### **SCOPUS**

TITLE-ABS-KEY((heart OR hearts OR myocardium OR "Cardiac Muscle" OR "Heart Muscle" OR "Heart Muscles" OR Myocardia OR "Cardiac Muscles" OR cardiac OR endocardium OR endocardiums OR "heart muscle structure" OR "heart muscle volume" OR "myocardial muscle" OR "myocardial structure" OR "myocardium extract" OR "myocardium structure" OR endocard OR endocardial OR cor OR "cardiac effect" OR "myocardial tissue") AND (angiosarcoma OR angiosarcomas OR angioendotheliosarcoma OR haemangiosarcoma OR "hemangio endothelial sarcoma" OR "hemangio endotheliosarcoma" OR "hemangio sarcoma" OR "hemangioendothelial sarcoma" OR hemangioendotheliosarcoma OR hemangiosarcoma OR hemangiosarcomas OR "malignant haemangioendothelioma" OR "malignant hemangioendothelioma"))

### **WOS**

**#1** KP=("Muscles, Heart" OR "Muscle, Cardiac" OR "Muscles, Cardiac" OR heart OR hearts OR myocardium OR "Cardiac Muscle" OR "Heart Muscle" OR "Heart Muscles" OR Myocardia OR "Cardiac Muscles" OR cardiac OR endocardium OR endocardiums OR "heart muscle structure" OR "heart muscle volume" OR "myocardial muscle" OR "myocardial structure" OR "myocardium extract" OR "myocardium structure" OR endocard OR endocardial OR cor OR "cardiac effect" OR "myocardial tissue") OR AK=("Muscles, Heart" OR "Muscle, Cardiac" OR "Muscles, Cardiac" OR heart OR hearts OR myocardium OR "Cardiac Muscle" OR "Heart Muscle" OR "Heart Muscles" OR Myocardia OR "Cardiac Muscles" OR cardiac OR endocardium OR endocardiums OR "heart muscle structure" OR "heart muscle volume" OR "myocardial muscle" OR "myocardial structure" OR "myocardium extract" OR "myocardium structure" OR endocard OR endocardial OR cor OR "cardiac effect" OR "myocardial tissue") OR TI=("Muscles, Heart" OR "Muscle, Cardiac" OR "Muscles, Cardiac" OR heart OR hearts OR myocardium OR "Cardiac Muscle" OR "Heart Muscle" OR "Heart Muscles" OR Myocardia OR "Cardiac Muscles" OR cardiac OR endocardium OR endocardiums OR "heart muscle structure" OR "heart muscle volume" OR "myocardial muscle" OR "myocardial structure" OR "myocardium extract" OR "myocardium structure" OR endocard OR endocardial OR cor OR "cardiac effect" OR "myocardial tissue")

**#2** KP=(angiosarcoma OR angiosarcomas OR angioendotheliosarcoma OR haemangiosarcoma OR "hemangio endothelial sarcoma" OR "hemangio endotheliosarcoma" OR "hemangio sarcoma" OR "hemangioendothelial sarcoma" OR hemangioendotheliosarcoma OR hemangiosarcoma OR hemangiosarcomas OR "malignant haemangioendothelioma" OR "malignant hemangioendothelioma" OR "haemangioendothelioma, malignant" OR "hemangioendothelioma, malignant") OR AK=(angiosarcoma OR angiosarcomas OR angioendotheliosarcoma OR haemangiosarcoma OR "hemangio endothelial sarcoma" OR "hemangio endotheliosarcoma" OR "hemangio sarcoma" OR "hemangioendothelial sarcoma" OR hemangioendotheliosarcoma OR hemangiosarcoma OR hemangiosarcomas OR "malignant haemangioendothelioma" OR "malignant hemangioendothelioma" OR "haemangioendothelioma, malignant" OR "hemangioendothelioma, malignant") OR TI=(angiosarcoma OR angiosarcomas OR angioendotheliosarcoma OR haemangiosarcoma OR "hemangio endothelial sarcoma" OR "hemangio endotheliosarcoma" OR "hemangio sarcoma" OR "hemangioendothelial sarcoma" OR hemangioendotheliosarcoma OR hemangiosarcoma OR hemangiosarcomas OR "malignant haemangioendothelioma" OR "malignant hemangioendothelioma" OR "haemangioendothelioma, malignant" OR "hemangioendothelioma, malignant")

## **#1 AND #2**

### **EMBASE**

**#1** 'endocardium':de OR 'endocard':tn,ti,ab OR 'endocardial':tn,ti,ab OR 'endocardium':tn,ti,ab

**#2** 'cardiac muscle':de OR 'cardiac muscle':tn,ti,ab OR 'heart muscle':tn,ti,ab OR 'heart muscle structure':tn,ti,ab OR 'heart muscle volume':tn,ti,ab OR 'muscle, heart':tn,ti,ab OR 'myocardial muscle':tn,ti,ab OR 'myocardial structure':tn,ti,ab OR 'myocardium':tn,ti,ab OR 'myocardium extract':tn,ti,ab OR 'myocardium structure':tn,ti,ab

**#3** 'heart':de OR 'cardiac effect':tn,ti,ab OR 'cor':tn,ti,ab OR 'heart':tn,ti,ab OR 'myocardial tissue':tn,ti,ab

**#4** 'angiosarcoma':de OR 'angioendotheliosarcoma':tn,ti,ab OR 'angiosarcoma':tn,ti,ab OR 'haemangioendothelioma, malignant':tn,ti,ab OR 'haemangiosarcoma':tn,ti,ab OR 'hemangio endothelial sarcoma':tn,ti,ab OR 'hemangio endotheliosarcoma':tn,ti,ab OR 'hemangio sarcoma':tn,ti,ab OR 'hemangioendothelial sarcoma':tn,ti,ab OR 'hemangioendothelioma, malignant':tn,ti,ab OR 'hemangioendotheliosarcoma':tn,ti,ab OR 'hemangiosarcoma':tn,ti,ab OR 'malignant haemangioendothelioma':tn,ti,ab OR 'malignant hemangioendothelioma':tn,ti,ab

**(#1 OR #2 OR #3) AND #4**