

SonoSite

TAPSE TRICUSPID ANNULAR PLANE SYSTOLIC EXCURSION

The TAPSE calculation is used to help diagnose right ventricular dysfunction.

QUICK guide>

4

CARD





SONOSITE and the SONOSITE logo are trademarks and registered trademarks of FUJIFILM SonoSite, Inc. in various jurisdictions. FUJIFILM is a trademark and registered trademark of FUJIFILM Corporation in various jurisdictions. All other trademarks are the property of their respective owners. Information contained in this document is meant for quick reference and a supplement to formal experience, education and training. © 2017 FUJIFILM SonoSite, Inc. All rights reserved.

QUICK guide>

SonoSite

FUJ:FILM

TAPSE

TRICUSPID ANNULAR PLANE SYSTOLIC EXCURSION

TAPSE is the distance the right lateral tricuspid annulus travels towards the apex during the systolic phase of the heart (when the ventricles are emptying).

This measurement assumes that the entire right ventricle's longitudinal systolic function is represented by the height the base of the annulus travels during the emptying or systolic phase of the right ventricle and has been shown to have a good correlation to right ventricle ejection fraction.

TAPSE aids in the diagnosis of certain lung or right-sided heart disease such as; pulmonary hypertension, congested heart disease, ischemia, infarction, tricuspid valvular disease or left to right shunts.

Required measurement:

Max vertical height of lateral tricuspid annulus.

Performing measurement:

Obtain an apical four-chamber heart view (A4CH) (Fig. 2).

- Place the M-Mode curser through the base of the lateral tricuspid annulus (Fig. 3).
- Measure the vertical height using the TAPSE measurement tool. Measure at peak systole to the base of annulus (Fig. 4 and 5).
- TAPSE normal value: 16mm and greater.
- This is a vertical height measurement (noted in horizontal and vertical dotted lines (Fig. 5).





SONOSITE and the SONOSITE logo are trademarks and registered trademarks of FUJIFILM SonoSite, Inc. in various jurisdictions. FUJIFILM is a trademark and registered trademark of FUJIFILM Corporation in various jurisdictions. All other trademarks are the property of their respective owners. Information contained in this document is meant for quick reference and a supplement to formal experience, education and training. © 2017 FUJIFILM SonoSite. Inc. All rights reserved. CARD