

3D Image Optimization

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Outline

3D Technology

Image acquisition modes

Display

Disclosure

None

Proprietary strings



A α B β Γ γ Δ δ
E ε Z ζ H η Θ θ
I ι K κ Λ λ M μ
N ν Ξ ξ O ο Π π
P ρ Σ σ ς T τ Υ υ
Φ φ Χ χ Ψ ψ Ω ω



Consent
خ ح ج پ ث ت ب
x h j p t b
[x~x] [h] [dʒ~j] [p] [t] [t] [b~h~p] [a/a/d/a/ʔ]
ض ص ش س ز ر ذ د
d s š s z r d
[d~dʔ] [sʔ] [ʃ] [s] [z~zʔ] [r~r~rʔ] [d~d] [d]
ق ق پ ف غ ع ظ ط
q q p f g e z t
[q~q] [q~q] [p] [f~f] [g~g] [e] [dʔ~dʔ] [tʔ]
ي و ه ن م ل ن ك
y w h n m l n k
[j~j~e] [w~u~o] [h] [n~nʔ] [m~mʔ] [l~lʔ] [k] [k]



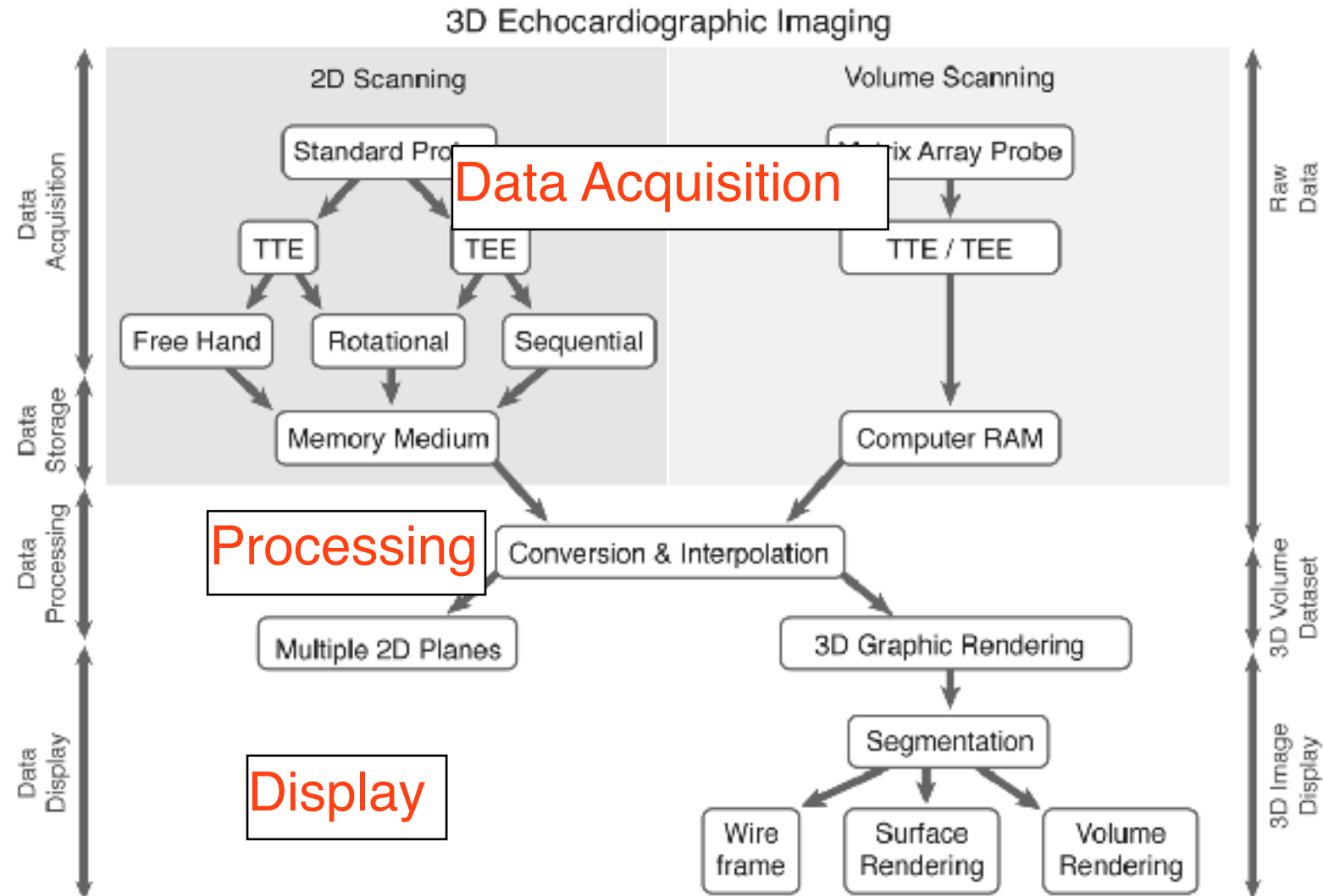
akana
u ウ 宇 エ 江 オ 於
kii ク 久 ケ 介 コ 己
su ス 須 セ 世 ソ 曾
zu ツ 川 テ 天 ト 止
ru ヌ 奴 ネ 祢 ノ 乃
fu フ 不 ヘ 部 ノ 保
ru ム 牟 メ 女 モ 毛
yu ュ 由 礼 女 モ 毛
ru ル 流 re レ 礼 ro 口 呂

3D vs. 4D

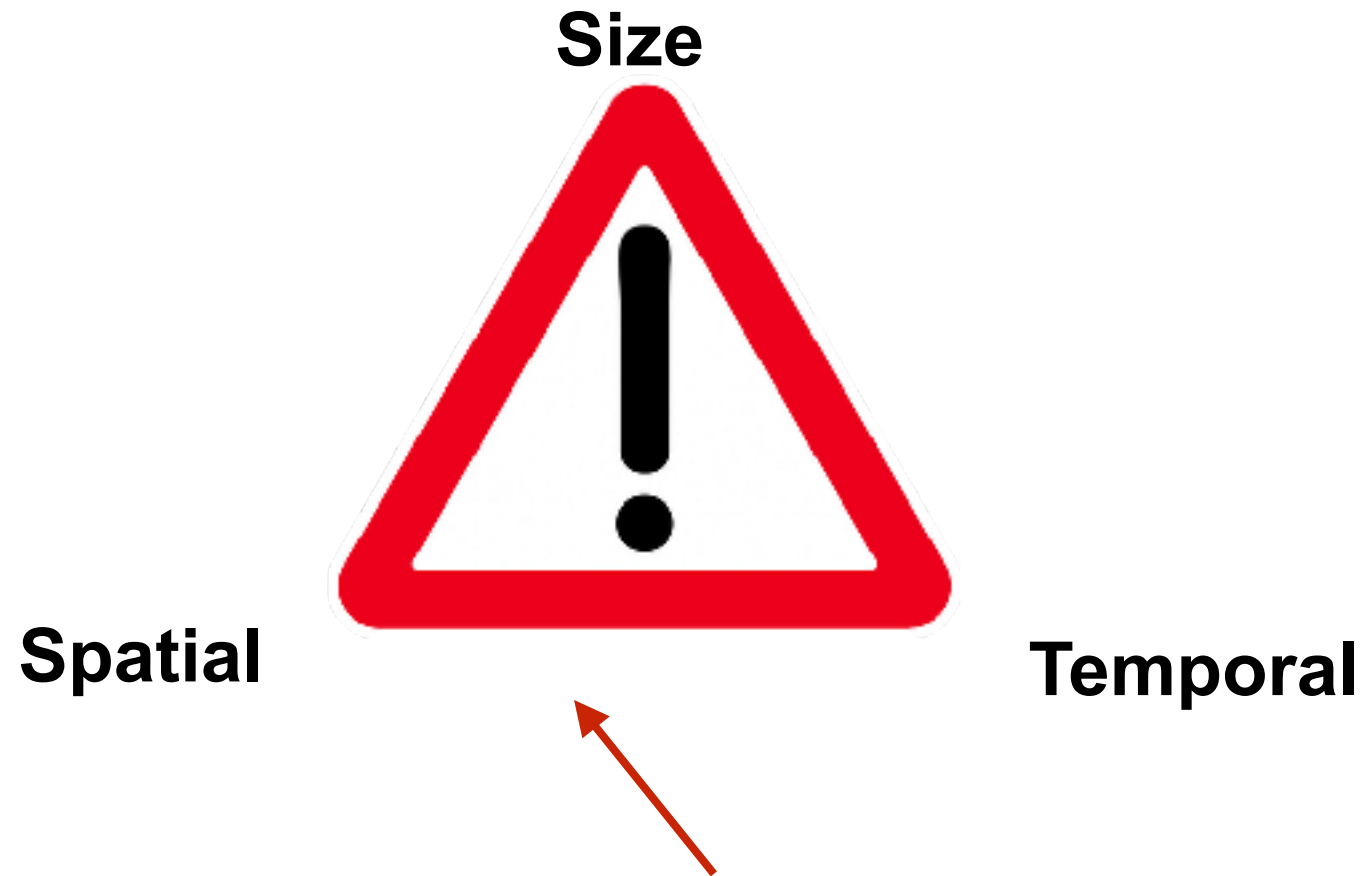


4D = 3D X time

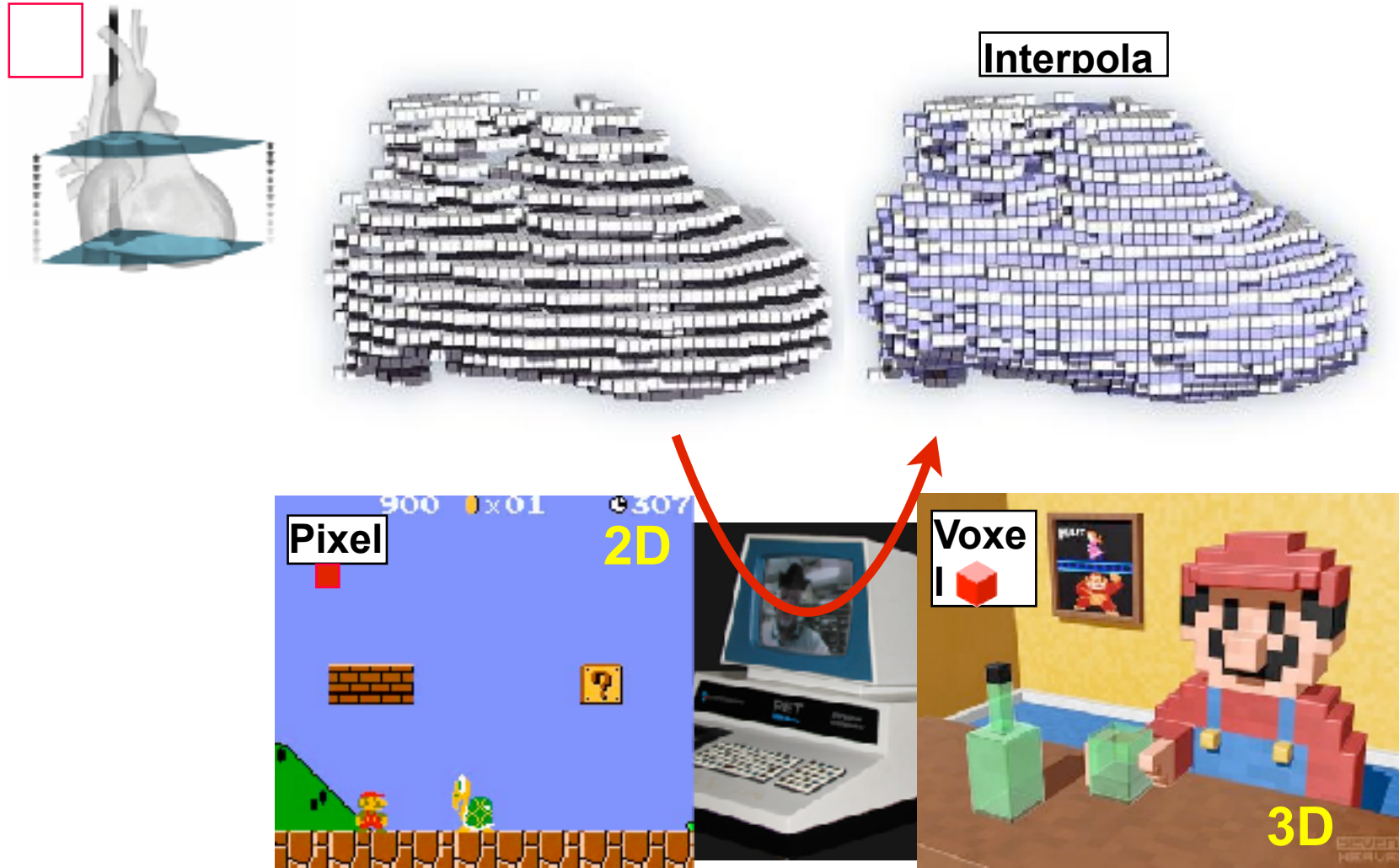
3D Echocardiography



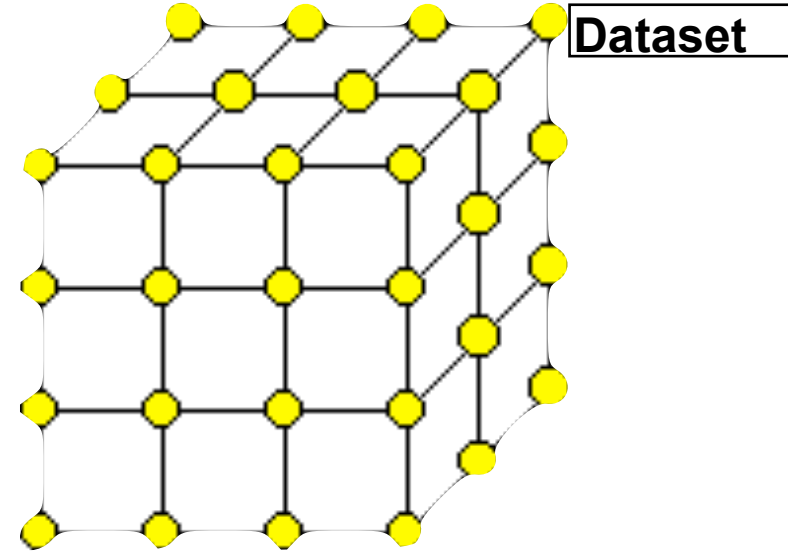
US Rules



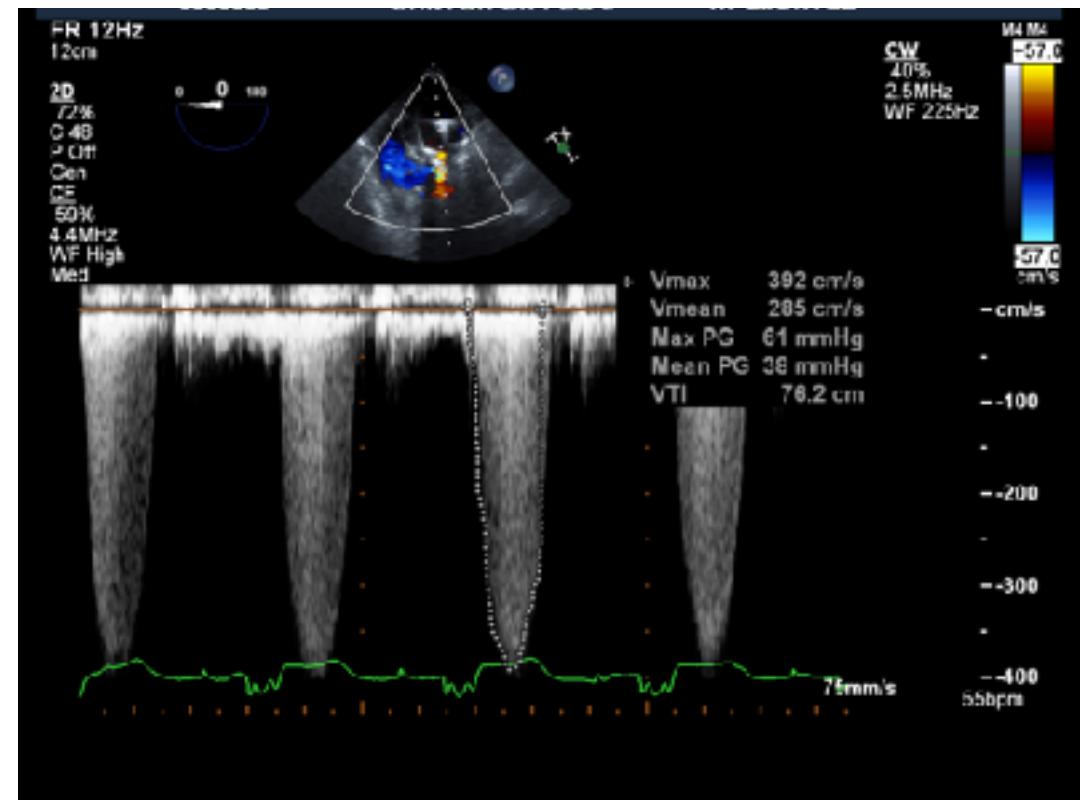
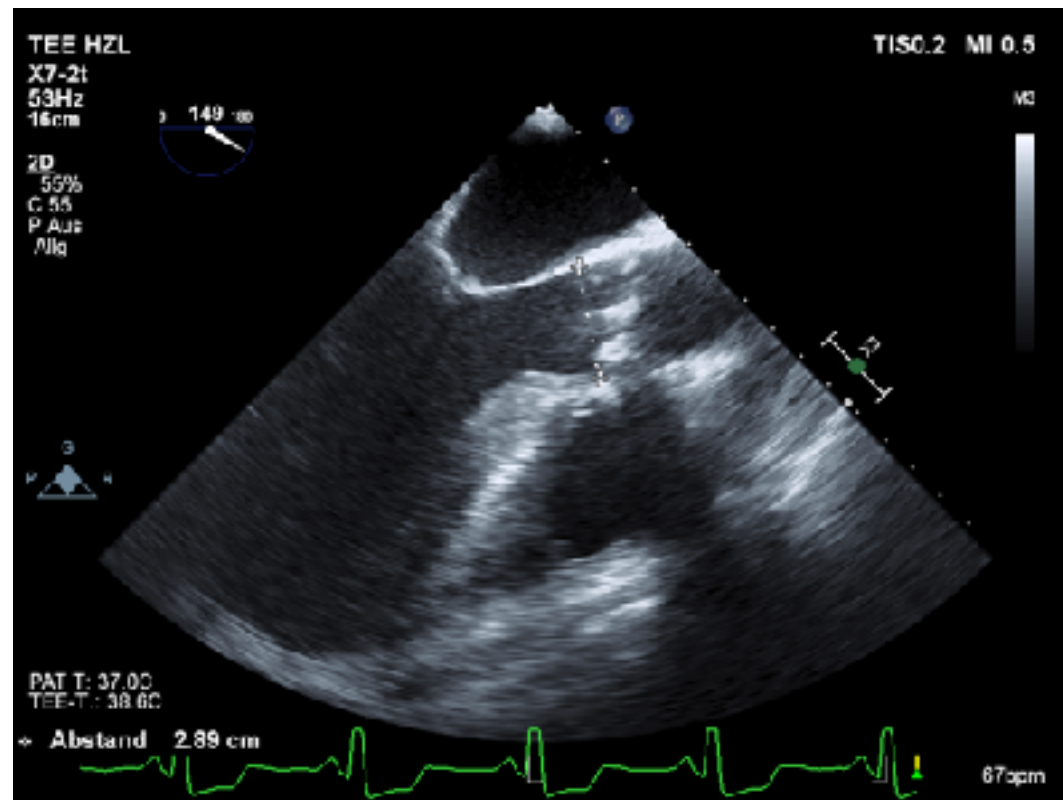
3D Reconstruction



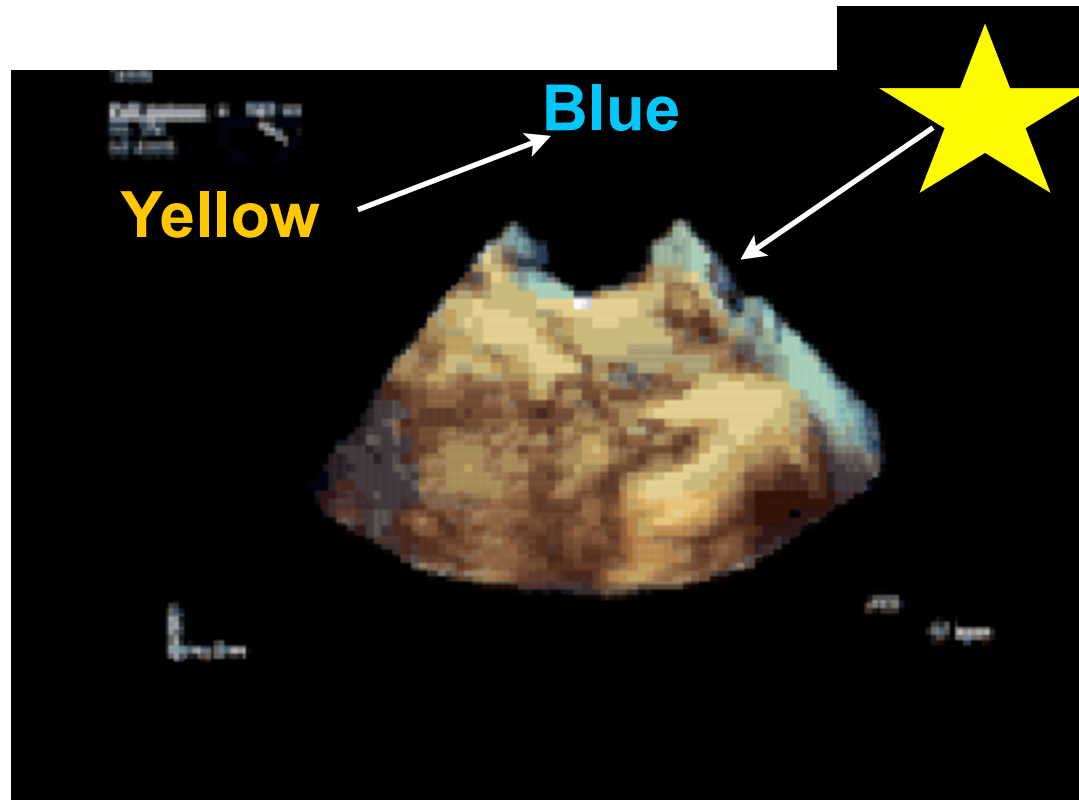
Dataset



2D



Volume Rendering





You are here: [Home](#) > [3D TEE](#) > [Manipulation of 3D Datasets: Epiq 7](#) > [3D Display and Optimization](#)

[Contact](#) [Credits](#) [Site map](#)



**Virtual Transesophageal
Echocardiography**

Toronto General Hospital Department of Anesthesia
Perioperative Interactive Education

**Peter Munk
Cardiac Centre** **UHN**

Site Menu

[Home](#)

[3D TEE](#)

[Acquisition of 3D
Datasets](#)

[Manipulation of 3D
Datasets: Epiq 7](#)

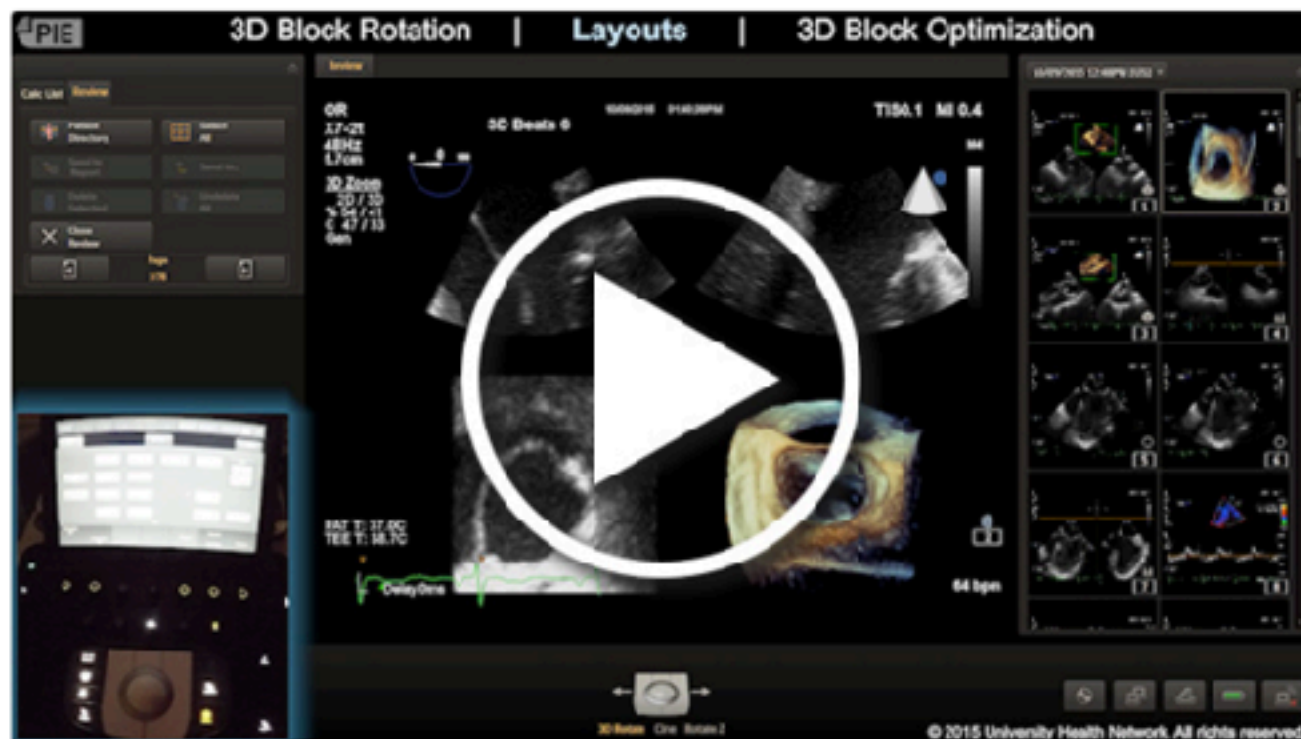
[3D Display and
Optimization](#)

[Cropping 3D
Datasets](#)

[Basic
Measurements of
3D Datasets](#)

[Multiplanar
Reconstruction
\(MPR\)](#)

Philips Epiq 7: 3D Display and Optimization



Thank you Very much

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