

Ao's Notes on Medical Imaging Software

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Table 1: Revision History

Date	Author(s)	Change
Jan/30/2020	Ao Dong	Initial draft

Software List

PACS: Picture Archiving and Communication System

TK: Tool kit

V: Visualization

A: Analysis

C: Conversion

Functions	Sftwr Name	Latest Release	Link	Source & reference	Notes
TK	VTK	2019	link	[Samala, 2014]	
TK	ITK	2019	link	[Samala, 2014]	
TK	DCMTK	2019	link	[Hasan, 2020] [Mu, 2019]	
TK	dcm4che	2020	link	[Emms, 2019] [Björn, 2017] [Hasan, 2020]	
PACS	orthanc	2019	link	[Björn, 2017] [Hasan, 2020]	
PACS V	ClearCanvas	2015	link	[Björn, 2017]	
PACS	Conquest	2020	link	[Björn, 2017]	
V	Aliza	2020	link	[Emms, 2019] [Mu, 2019]	Maybe not open source

V	3D Slicer	2019	link	[Emms, 2019] [Hasan, 2020] [Samala, 2014] [Haak et al., 2015]	
V	Mango	2019	link	[Emms, 2019] [Hasan, 2020] [Mu, 2019]	Only open source for iPad and web app version
V	Ginkgo CADx	2019	link	[Emms, 2019] [Björn, 2017] [Hasan, 2020] [Brühschwein et al., 2019] [Mu, 2019] [Haak et al., 2015]	
V	XMedCon	2019	link	[Emms, 2019] [Hasan, 2020] [Mu, 2019] [Haak et al., 2015]	
V	WEASIS	2019	link	[Emms, 2019] [Hasan, 2020] [Mu, 2019] [Haak et al., 2015]	
V	MRICroGL	2019	link1 link2	[Emms, 2019] [Hasan, 2020] [Samala, 2014] [Haak et al., 2015]	
V	Amide	2017	link	[Emms, 2019] [Hasan, 2020] [Mu, 2019]	
V	SMILI	2019	link	[Emms, 2019] [Hasan, 2020] [Mu, 2019]	
V	ImageJ	2019	link	[Emms, 2019] [Hasan, 2020] [Samala, 2014] [Haak et al., 2015]	
V	DicomBrowser	2016	link	[Emms, 2019] [Hasan, 2020]	
V	3DimViewer	2019	link	[Björn, 2017] [Hasan, 2020] [Mu, 2019]	
V	MicroDicom	2020	link	[Mu, 2019] [Björn, 2017]	Maybe not open source
V	Horos	2019	link	[Björn, 2017] [Brühschwein et al., 2019]	

V	Osimis	2020	link	[Björn, 2017]	
V	OsiriX Lite	2013	link	[Björn, 2017] [Brühschwein et al., 2019] [Haak et al., 2015]	
V	jivex	2019	link	[Mu, 2019] [Haak et al., 2015]	Maybe not open source
V	Open Dicom Viewer	2015	link	[Mu, 2019] [Haak et al., 2015]	
V	dwv	2019	link	[Björn, 2017]	
V	OHIF	2020	link	[Björn, 2017]	
V	vv	2019	link	[Björn, 2017]	
V	drishti	2018	link	[Björn, 2017]	
V	BioImage Suite	2020	link	[Haak et al., 2015]	
V	cornerstone	2018	link	[Haak et al., 2015]	
V	dwv	2019	link	[Haak et al., 2015]	
V	Oviyam	2018	link	[Haak et al., 2015]	Maybe not open source
V	MicroView	2015	link	[Haak et al., 2015]	
V	MIPAV	2019	link	[Haak et al., 2015]	
V	Slice:Drop	2019	link	[Haak et al., 2015]	
V	Fiji	2018	link	[Samala, 2014]	Distribution of ImageJ
V	GATE	2019	link	[Emms, 2019]	
V	ITK-SNAP	2019	link	[Samala, 2014]	
V	ParaView	2019	link	[Samala, 2014]	
V	MeVisLab	2018	link	[Samala, 2014]	
V	MatrixUser	2018	link	[Hasan, 2020]	
V	NextCloud	2019	link	[Hasan, 2020]	
C	dcm2niix	2019	link	[Hasan, 2020]	
V	INVESALIUS 3	2019	link	[Hasan, 2020]	
V	Trimage	2019	link	[Hasan, 2020]	
V	Gwyddion	2020	link	[Hasan, 2020]	
V	dicompyler	2016	link	[Mu, 2019]	
V	Sante DICOM Viewer Lite	2019	link	[Mu, 2019]	Maybe not open source
V	Navegatum DICOM Viewer	2014?	link	[Mu, 2019]	

Quality Measurements

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