

The PMOD software is a modular suite of tools, which interact to enable smooth and efficient data analysis workflows. It targets researchers in neurology, cardiology and oncology working with human or animal image data. As every researcher has unique data processing needs, the selection of the tools included into an individual PMOD license must ensure that all essential tasks can be accomplished.

The table below is intended to guide tool selection. It lists typical application domains together with the re-

quired tools, additionally indicating tools which could increase functionality and flexibility. If the functionality required spreads across multiple table rows, the corresponding tools should be added. Please ask for advice by contacting [info@pmod.com](mailto:info@pmod.com) in case you need further assistance with selection.

Note that the PMOD website features an online quoting facility which calculates the license cost of any tool configuration.

Data Processing Task	PBAS	PKIN	PXMOD	PCARD	PGEM	PFUS	P3D	PNEURO PNROD	PALZ	PSEG	PAI
Image reviewing and VOIs (PET, SPECT, MR, CT)	required	nice to have	nice to have	nice to have	nice to have	required	required	required	required	nice to have	nice to have
Multimodal images and oncology (PET, SPECT, MR, CT)	required	nice to have	nice to have	nice to have	nice to have	required	nice to have	required	nice to have	nice to have	nice to have
Advanced modeling and quantification (PET, SPECT, MR)	required	required	required	nice to have	required	nice to have	required	required	required	required	nice to have
Regional brain image quantification (MR, PET, SPECT, CT)	required	nice to have	nice to have	nice to have	required	nice to have	nice to have	required	required	nice to have	nice to have
Quantification of heart images (PET, SPECT, MR, CT)	required	required	nice to have	required	required	nice to have	nice to have	nice to have	nice to have	nice to have	nice to have
Tracer development and dosimetry (PET, SPECT)	required	required	nice to have	nice to have	nice to have	nice to have	nice to have	nice to have	nice to have	required	nice to have
Diffusion mapping and tractography of DWI/DTI MR data	required	nice to have	required	nice to have	required	nice to have	required	required	nice to have	nice to have	nice to have
Streamline calculation from 4D flow MR data	required	nice to have	nice to have	nice to have	required	nice to have	required	nice to have	nice to have	nice to have	nice to have
Computational fluid dynamics (CFD) simulations	required	nice to have	nice to have	nice to have	required	nice to have	required	nice to have	nice to have	nice to have	nice to have
FDG PET images of subjects with suspected AD	required	nice to have	nice to have	nice to have	nice to have	nice to have	nice to have	nice to have	required	nice to have	nice to have
Image Segmentation based on Artificial Intelligence	required	nice to have	nice to have	nice to have	nice to have	nice to have	nice to have	nice to have	nice to have	required	required

required                      nice to have