JOHANN S	TRUNCK
Johann Strun	nce Format: ck. 2024. Deep learning based grading of motionartifacts in HR-pQCT. 1, 1 (January 20 ://doi.org/10.1145/nnnnnnnnnnnnnn
Author's addre	ss: Johann Strunck, johann.strunck@tuhh.de.

2 Johann Strunck

1 I	NTRODUCTION
2 L	ITERATURE REVIEW
2.1	Convolutional Neural Networks
2.2	Meidcal Imaging
2.3	statistical approach
2.4	Machine learning approach
3 N	METHODOLOGY
3.1	Methodology
3.2	Imroved Adaptive Moment Estimation (Adam)
3.3	Gaussian Noice
3.4	Batch Normalization
3.5	Data Augmentation
3.6	Dropout
3.7	ELU / ReLU
3.8	Maxout Unit
3.9	CAM / Grad-CAM
3.10	Transfer Learning
3.11	Bayesian Approaches
3.12	Network In Network (NIN)
3.13	Convolution Block Attention Model(CBAM)
3.14	Very Deep Constitutional Networks
3.15	Data Distribution
3.16	CNN Structure
4 F	RESULTS
4.1	F1 Score
4.2	Grad-CAM
4.3	False Positive Rate
4.4	Accuracy

4.5 Sensitivity

5 DISCUSSION/CONCLUSION