FDA Submission

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Na	ame: Udo Dehm
Na	ame of Device: PneumoniaXNet

${\bf 1}\quad {\bf Algorithm\ Description}$

1.1 General Information

Intended Use Statement:

Indications for Use:

Device Limitations:

Clinical Impact of Performance:

1.2 Algorithm Design and Function

« Insert Algorithm Flowchart »

DICOM Checking Steps:

Preprocessing Steps:

CNN Architecture:

1.3 Algorithm Training

Parameters:

- Types of augmentation used during training
- Batch size
- Optimizer learning rate
- Layers of pre-existing architecture that were frozen
- Layers of pre-existing architecture that were fine-tuned
- \bullet Layers added to pre-existing architecture
- « Insert algorithm training performance visualization »
- « Insert P-R curve »

Final Threshold and Explanation:

1.4 Databases

(For the below, include visualizations as they are useful and relevant)

Description of Training Dataset:

Description of Validation Dataset:

1.5 Ground Truth

1.6 FDA Validation Plan

Patient Population Description for FDA Validation Dataset: Ground Truth Acquisition Methodology: Algorithm Performance Standard: