Google Bert

macro avg

weighted avg

samples avg

0.85

0.83

0.49

0.71

0.76

0.50

0.75

0.78

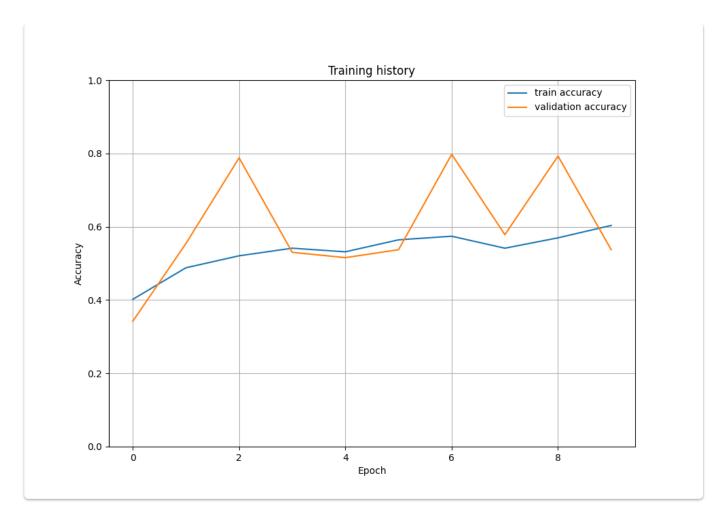
0.49

301

301

301

F1 Scores measure: 0.8191 extension: 0.8913 atelectasis: 0.6452 satellite: 0.6275 lymphadenopathy: 0.8315 pleural: 0.8611 distant: 0.5862 Overall: 0.7883 F2 Scores measure: 0.8518 extension: 0.9031 atelectasis: 0.5495 satellite: 0.5674 lymphadenopathy: 0.8981 pleural: 0.8073 distant: 0.4857 Overall: 0.7716 Classification Report: precision recall f1-score support 0.88 0.77 0.82 88 measure extension 0.87 0.91 0.89 45 atelectasis 0.91 0.50 0.65 20 0.76 satellite 0.53 0.63 30 lymphadenopathy 0.74 0.95 0.83 39 0.78 pleural 0.97 0.86 40 distant 0.89 0.44 0.59 39 micro avg 0.82 0.76 0.79 301



F1 Scores:

measure: 0.8939
extension: 0.7907
atelectasis: 0.0000
satellite: 0.0000

lymphadenopathy: 0.9014

pleural: 0.7302
distant: 0.5000
Overall: 0.7265

F2 Scores:

measure: 0.9029
extension: 0.7692
atelectasis: 0.0000
satellite: 0.0000

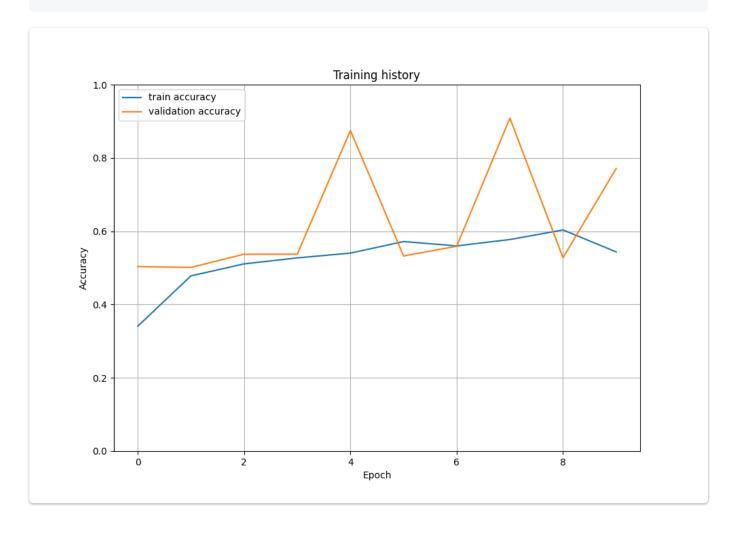
lymphadenopathy: 0.8511

pleural: 0.6284
distant: 0.3846

Overall: 0.6481

(120	cific	ation	Report:
CTGS	STITC	acton	Kepon C.

	precision	recall	f1-score	support
measure	0.88	0.91	0.89	88
extension	0.83	0.76	0.79	45
atelectasis	0.00	0.00	0.00	20
satellite	0.00	0.00	0.00	30
lymphadenopathy	1.00	0.82	0.90	39
pleural	1.00	0.57	0.73	40
distant	1.00	0.33	0.50	39
micro avg	0.91	0.60	0.73	301
macro avg	0.67	0.48	0.55	301
weighted avg	0.77	0.60	0.66	301
samples avg	0.42	0.40	0.41	301



BioBERT

F1 Scores:

measure: 0.8970 extension: 0.8636 atelectasis: 0.7692 satellite: 0.7719

lymphadenopathy: 0.9600

pleural: 0.8235
distant: 0.7778
Overall: 0.8546

F2 Scores:

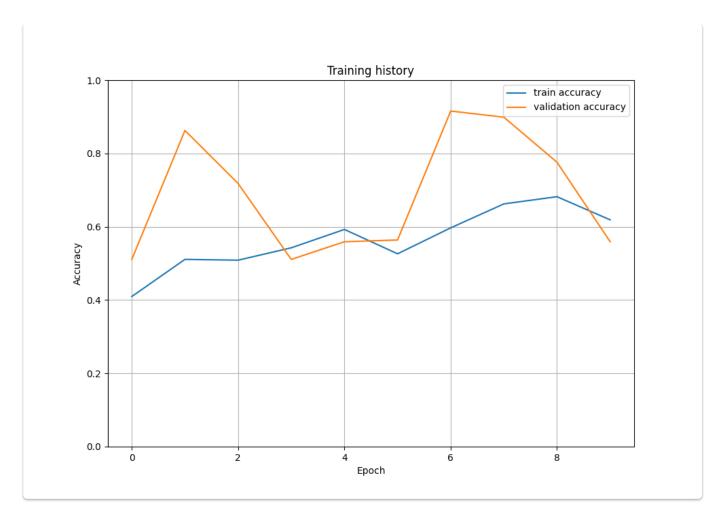
measure: 0.8625 extension: 0.8520 atelectasis: 0.7576 satellite: 0.7483

lymphadenopathy: 0.9375

pleural: 0.7447 distant: 0.7407 Overall: 0.8214

Classification Report:

	precision	recall	f1-score	support
measure	0.96	0.84	0.90	88
extension	0.88	0.84	0.86	45
atelectasis	0.79	0.75	0.77	20
satellite	0.81	0.73	0.77	30
lymphadenopathy	1.00	0.92	0.96	39
pleural	1.00	0.70	0.82	40
distant	0.85	0.72	0.78	39
micro avg	0.92	0.80	0.85	301
macro avg	0.90	0.79	0.84	301
weighted avg	0.92	0.80	0.85	301
samples avg	0.54	0.52	0.53	301



F1 Scores:

measure: 0.8957 extension: 0.8736 atelectasis: 0.6875 satellite: 0.8276

lymphadenopathy: 0.9487

pleural: 0.8889
distant: 0.7813
Overall: 0.8664

F2 Scores:

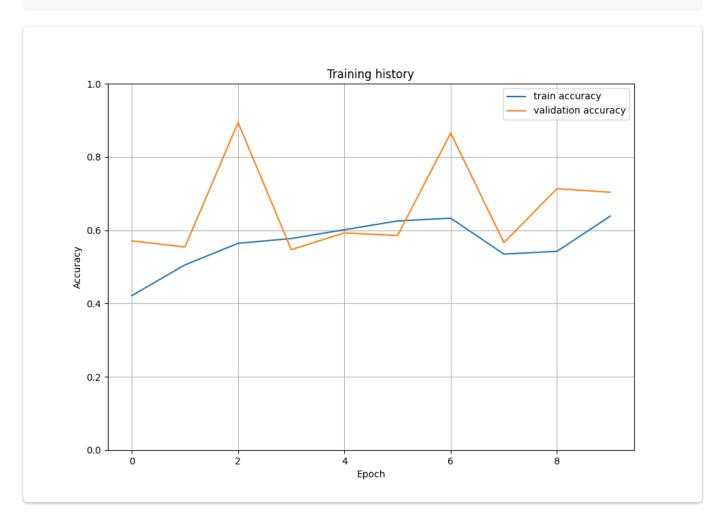
measure: 0.8548
extension: 0.8559
atelectasis: 0.5978
satellite: 0.8108

lymphadenopathy: 0.9487

pleural: 0.8333
distant: 0.6906

Overall: 0.8236

	precision	recall	f1-score	support
measure	0.97	0.83	0.90	88
extension	0.90	0.84	0.87	45
atelectasis	0.92	0.55	0.69	20
satellite	0.86	0.80	0.83	30
lymphadenopathy	0.95	0.95	0.95	39
pleural	1.00	0.80	0.89	40
distant	1.00	0.64	0.78	39
micro avg	0.95	0.80	0.87	301
macro avg	0.94	0.77	0.84	301
weighted avg	0.95	0.80	0.86	301
samples avg	0.55	0.53	0.53	301



BioClinical BERT

F1 Scores:

measure: 0.9059 extension: 0.9231 atelectasis: 0.7647 satellite: 0.7778

lymphadenopathy: 0.9600

pleural: 0.8451
distant: 0.7879
Overall: 0.8734

F2 Scores:

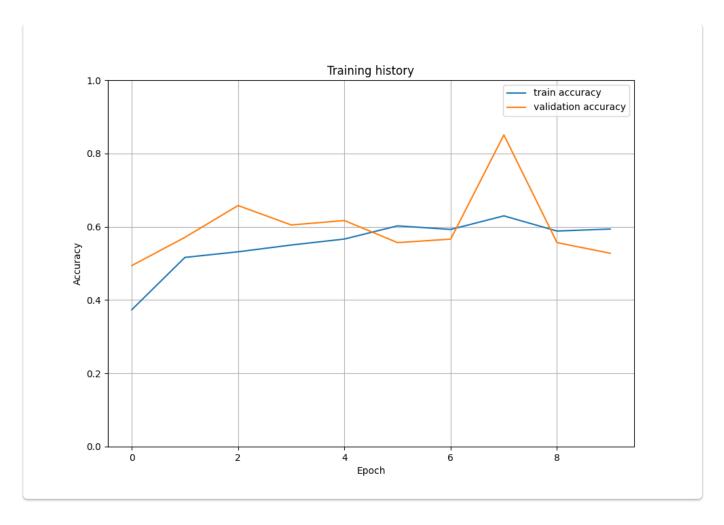
measure: 0.8871 extension: 0.9292 atelectasis: 0.6915 satellite: 0.7292

lymphadenopathy: 0.9375

pleural: 0.7853
distant: 0.7104
Overall: 0.8367

Classification Report:

	precision	recall	f1-score	support
measure	0.94	0.88	0.91	88
extension	0.91	0.93	0.92	45
atelectasis	0.93	0.65	0.76	20
satellite	0.88	0.70	0.78	30
lymphadenopathy	1.00	0.92	0.96	39
pleural	0.97	0.75	0.85	40
distant	0.96	0.67	0.79	39
micro avg	0.94	0.81	0.87	301
macro avg	0.94	0.79	0.85	301
weighted avg	0.94	0.81	0.87	301
samples avg	0.54	0.53	0.54	301



F1 Scores:

measure: 0.8889
extension: 0.8966
atelectasis: 0.6667
satellite: 0.7812

lymphadenopathy: 0.9367

pleural: 0.8406
distant: 0.8611
Overall: 0.8622

F2 Scores:

measure: 0.8451 extension: 0.8784 atelectasis: 0.5914 satellite: 0.8117

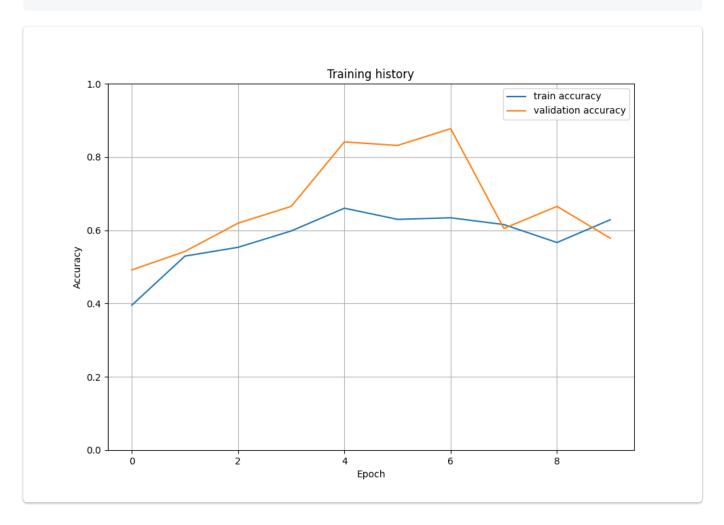
lymphadenopathy: 0.9439

pleural: 0.7672
distant: 0.8201

Overall: 0.8305

Clac	cific	no ite	Report:
CIAS	ZIIIC	acton	report.

	precision	recall	f1-score	support
measure	0.97	0.82	0.89	88
extension	0.93	0.87	0.90	45
atelectasis	0.85	0.55	0.67	20
satellite	0.74	0.83	0.78	30
lymphadenopathy	0.93	0.95	0.94	39
pleural	1.00	0.72	0.84	40
distant	0.94	0.79	0.86	39
micro avg	0.92	0.81	0.86	301
macro avg	0.91	0.79	0.84	301
weighted avg	0.93	0.81	0.86	301
samples avg	0.55	0.53	0.54	301



BiomedBERT

F1 Scores:

measure: 0.9080 extension: 0.8315 atelectasis: 0.7778 satellite: 0.7333

lymphadenopathy: 0.9231

pleural: 0.8235
distant: 0.7606
Overall: 0.8438

F2 Scores:

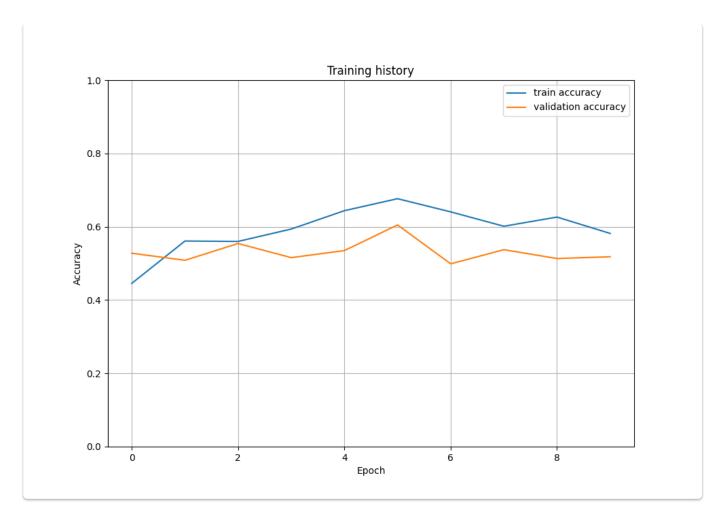
measure: 0.9018
extension: 0.8259
atelectasis: 0.7292
satellite: 0.7333

lymphadenopathy: 0.9231

pleural: 0.7447 distant: 0.7181 Overall: 0.8215

Classification Report:

	precision	recall	f1-score	support
measure	0.92	0.90	0.91	88
extension	0.84	0.82	0.83	45
atelectasis	0.88	0.70	0.78	20
satellite	0.73	0.73	0.73	30
lymphadenopathy	0.92	0.92	0.92	39
pleural	1.00	0.70	0.82	40
distant	0.84	0.69	0.76	39
micro avg	0.88	0.81	0.84	301
macro avg	0.88	0.78	0.82	301
weighted avg	0.89	0.81	0.84	301
samples avg	0.56	0.53	0.54	301



F1 Scores:

measure: 0.9070 extension: 0.7961 atelectasis: 0.8108 satellite: 0.6897

lymphadenopathy: 0.9487

pleural: 0.8286
distant: 0.8116
Overall: 0.8450

F2 Scores:

measure: 0.8945 extension: 0.8613 atelectasis: 0.7732 satellite: 0.6757

lymphadenopathy: 0.9487

pleural: 0.7632
distant: 0.7527

Overall: 0.8322 Classification Report: precision recall f1-score support measure 0.93 0.89 0.91 88 extension 0.71 0.91 0.80 45 atelectasis 0.88 0.75 0.81 20 satellite 0.71 0.67 0.69 30 lymphadenopathy 0.95 0.95 0.95 39 pleural 0.72 0.83 0.97 40 distant 0.93 0.72 0.81 39 micro avg 0.87 0.82 0.84 301 macro avg 0.87 0.80 0.83 301

0.84

0.54

301

301

0.82

0.88

weighted avg

