<https://link.springer.com/article/10.1007/s41870-023-01487-1>

<https://www.sciencedirect.com/science/article/abs/pii/S0010482521005242>

<https://link.springer.com/article/10.1007/s11517-023-02984-y>

<https://onlinelibrary.wiley.com/doi/full/10.1155/2024/5562890>

Now a days cancer is a most leading cases in world wide according to the World health organization (WHO).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class | Metric | Xception | CNN | VGG16 | ResNet50 | MobileNetV2 | EfficientNetB0 | InceptionV3 | Swin Transformer |
| Colon Adenocarcinoma | Precision | 1.00 | 0.99 | 0.94 | 0.99 | 0.87 | 0.96 | 0.68 | 0.99 |
|  | Recall | 1.00 | 1.00 | 0.96 | 1.00 | 0.78 | 1.00 | 0.49 | 1.00 |
|  | F1-score | 1.00 | 0.99 | 0.95 | 1.00 | 0.82 | 0.98 | 0.57 | 0.99 |
| Colon Benign Tissue | Precision | 1.00 | 1.00 | 0.98 | 1.00 | 0.85 | 1.00 | 0.62 | 1.00 |
|  | Recall | 1.00 | 0.99 | 0.97 | 0.99 | 0.88 | 0.97 | 0.73 | 0.99 |
|  | F1-score | 1.00 | 0.99 | 0.98 | 1.00 | 0.87 | 0.99 | 0.67 | 0.99 |
| Lung Adenocarcinoma | Precision | 1.00 | 0.95 | 0.92 | 0.98 | 0.82 | 0.97 | 0.64 | 0.95 |
|  | Recall | 1.00 | 0.98 | 0.90 | 1.00 | 0.82 | 0.88 | 0.60 | 0.98 |
|  | F1-score | 1.00 | 0.97 | 0.91 | 0.99 | 0.82 | 0.92 | 0.62 | 0.97 |
| Lung Benign Tissue | Precision | 1.00 | 1.00 | 0.99 | 1.00 | 0.97 | 0.98 | 0.64 | 1.00 |
|  | Recall | 1.00 | 0.99 | 1.00 | 1.00 | 0.96 | 1.00 | 0.66 | 0.99 |
|  | F1-score | 1.00 | 1.00 | 0.99 | 1.00 | 0.97 | 0.99 | 0.65 | 1.00 |
| Lung Squamous Cell Carcinoma | Precision | 1.00 | 0.98 | 0.93 | 1.00 | 0.82 | 0.91 | 0.76 | 0.98 |
|  | Recall | 1.00 | 0.96 | 0.94 | 0.98 | 0.88 | 0.97 | 0.85 | 0.96 |
|  | F1-score | 1.00 | 0.97 | 0.93 | 0.99 | 0.85 | 0.94 | 0.80 | 0.97 |