

File name: FID-026.txt
Result: **PLAGIARISM DETECTED**
Plagiarism percentage: **93%**

Most similar document(s):

org-101.txt with similarity: 99.0%

Text to analyze:

The lifestyle of modern society has been changing significantly with the emergence of artificial intelligence (AI), machine learning (ML), and deep learning (DL) technologies in recent years. Artificial intelligence is a multidimensional technology with various components such as advanced algorithms, ML and DL. Together, AI, ML, and DL are expected to provide automated devices to ophthalmologists for early diagnosis and timely treatment of ocular disorders in the near future. In fact, AI, ML, and DL are being used in ophthalmic setting to validate the diagnosis of diseases, read images, perform corneal topographic mapping and intraocular lens calculations. Diabetic retinopathy (DR), age-related macular degeneration (AMD), and glaucoma are the 3 most common causes of irreversible blindness on a global scale. Ophthalmic imaging would provide a way to diagnose and objectively detect the progression of a number of pathologies including DR, AMD, glaucoma, and other ophthalmic disorders. There are 2 methods of imaging used as diagnostic methods in ophthalmic practice: fundus digital photography and optical coherence tomography (OCT). Of note, OCT is the most widely used imaging modality in ophthalmology settings in the developed world. Changes in population demographics and lifestyle, extension of average lifespan, and the changing pattern of chronic diseases such as obesity, diabetes, DR, AMD, and glaucoma create a rising demand for such images. Furthermore, the limitation of availability of retina specialists and trained human graders has been a major problem in many countries. Consequently, given the current population growth trends, it would be inevitable that analyzing such images is time-consuming, costly, and prone to human error. Therefore, the detection and treatment of DR, AMD, glaucoma, and other ophthalmic disorders through unmanned automated applications system in the near future will be inevitable. We will provide an overview of the potential impact of the current AI, ML, and DL methods and their applications on the early detection and treatment of DR, AMD, glaucoma, and other ophthalmic diseases.

Sentence analysis:

Plagiarized sentence (file FID-026.txt):

'The lifestyle of modern society has been changing significantly with the emergence of artificial intelligence (AI), machine learning (ML), and deep learning (DL) technologies in recent years.'

Original sentence (file org-101.txt):

'The lifestyle of modern society has changed significantly with the emergence of artificial intelligence (AI), machine learning (ML), and deep learning (DL) technologies in recent years.'

Plagiarized sentence (file FID-026.txt):

'Artificial intelligence is a multidimensional technology with various components such as advanced algorithms, ML and DL.'

Original sentence (file org-101.txt):

'Artificial intelligence is a multidimensional technology with various components such as advanced algorithms, ML and DL.'

Plagiarized sentence (file FID-026.txt):

'Together, AI, ML, and DL are expected to provide automated devices to ophthalmologists for early diagnosis and timely treatment of ocular disorders in the near future.'

Original sentence (file org-101.txt):

'Together, AI, ML, and DL are expected to provide automated devices to ophthalmologists for early diagnosis and timely treatment of ocular disorders in the near future.'

Plagiarized sentence (file FID-026.txt):

'In fact, AI, ML, and DL are being used in ophthalmic setting to validate the diagnosis of diseases, read images, perform corneal topographic mapping and intraocular lens calculations.'

Original sentence (file org-101.txt):

'In fact, AI, ML, and DL have been used in ophthalmic setting to validate the diagnosis of diseases, read images, perform corneal topographic mapping and intraocular lens calculations.'

Plagiarized sentence (file FID-026.txt):

'Diabetic retinopathy (DR), age-related macular degeneration (AMD), and glaucoma are the 3 most common causes of irreversible blindness on a global scale.'

Original sentence (file org-101.txt):

'Diabetic retinopathy (DR), age-related macular degeneration (AMD), and glaucoma are the 3 most common causes of irreversible blindness on a global scale.'

Plagiarized sentence (file FID-026.txt):

'Ophthalmic imaging would provide a way to diagnose and objectively detect the progression of a number of pathologies including DR, AMD, glaucoma, and other ophthalmic disorders.'

Original sentence (file org-101.txt):

'Ophthalmic imaging provides a way to diagnose and objectively detect the progression of a number of pathologies including DR, AMD, glaucoma, and other ophthalmic disorders.'

Plagiarized sentence (file FID-026.txt):

'There are 2 methods of imaging used as diagnostic methods in ophthalmic practice: fundus digital photography and optical coherence tomography (OCT).'

Original sentence (file org-101.txt):

'There are 2 methods of imaging used as diagnostic methods in ophthalmic practice: fundus digital photography and optical coherence tomography (OCT).'

Plagiarized sentence (file FID-026.txt):

'Of note, OCT is the most widely used imaging modality in ophthalmology settings in the developed world.'

Original sentence (file org-101.txt):

'Of note, OCT has become the most widely used imaging modality in ophthalmology settings in the developed world.'

Plagiarized sentence (file FID-026.txt):

'Changes in population demographics and lifestyle, extension of average lifespan, and the changing pattern of chronic diseases such as obesity, diabetes, DR, AMD, and glaucoma create a rising demand for such images.'

Original sentence (file org-101.txt):

'Changes in population demographics and lifestyle, extension of average lifespan, and the changing pattern of chronic diseases such as obesity, diabetes, DR, AMD, and glaucoma create a rising demand for such images.'

Plagiarized sentence (file FID-026.txt):

'Furthermore, the limitation of availability of retina specialists and trained human graders has been a major problem in many countries.'

Original sentence (file org-101.txt):

'Furthermore, the limitation of availability of retina specialists and trained human graders is a major problem in many countries.'

Plagiarized sentence (file FID-026.txt):

'Consequently, given the current population growth trends, it would be inevitable that analyzing such images is time-consuming, costly, and prone to human error.'

Original sentence (file org-101.txt):

'Consequently, given the current population growth trends, it is inevitable that analyzing such images is time-consuming, costly, and prone to human error.'

Plagiarized sentence (file FID-026.txt):

'Therefore, the detection and treatment of DR, AMD, glaucoma, and other ophthalmic disorders through unmanned automated applications system in the near future will be inevitable.'

Original sentence (file org-101.txt):

'Therefore, the detection and treatment of DR, AMD, glaucoma, and other ophthalmic disorders through unmanned automated applications system in the near future will be inevitable.'

Plagiarized sentence (file FID-026.txt):

'We will provide an overview of the potential impact of the current AI, ML, and DL methods and their applications on the early detection and treatment of DR, AMD, glaucoma, and other ophthalmic diseases.'

Original sentence (file org-101.txt):

'We provide an overview of the potential impact of the current AI, ML, and DL methods and their applications on the early detection and treatment of DR, AMD, glaucoma, and other ophthalmic diseases.'