

Result: PLAGIARISM DETECTED

Plagiarism Detected: 92.47%

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.

Plagiarized Sentence: The following sentence: ' 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.' presents plagiarism from the 'org-101.txt' file and sentence '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: The following sentence: ' Artificial intelligence is a multidimensional technology with various components such as advanced algorithms, ML and DL.' presents plagiarism from the 'org-101.txt' file and sentence 'Artificial intelligence is a multidimensional technology with various components such as advanced algorithms, ML and DL.'

Plagiarized Sentence: The following sentence: ' 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.' presents plagiarism from the 'org-101.txt' file and sentence '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: The following sentence: ' 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.' presents plagiarism from the 'org-101.txt' file and sentence '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: The following sentence: ' Diabetic retinopathy (DR), age-related macular degeneration (AMD), and glaucoma are the 3 most common causes of irreversible blindness on a global scale.' presents plagiarism from the 'org-101.txt' file and sentence '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: The following sentence: ' 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.' presents plagiarism from the 'org-101.txt' file and sentence '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: The following sentence: ' There are 2 methods of imaging used as diagnostic methods in ophthalmic practice: fundus digital photography and optical coherence tomography (OCT).' presents plagiarism from the 'org-101.txt' file and sentence 'There are 2 methods of imaging used as diagnostic methods in ophthalmic practice: fundus digital photography and optical coherence tomography (OCT).'

Plagiarized Sentence: The following sentence: ' Of note, OCT is the most widely used imaging modality in ophthalmology settings in the developed world.' presents plagiarism from the 'org-101.txt' file and sentence 'Of note, OCT has become the most widely used imaging modality in ophthalmology settings in the developed world.'

Plagiarized Sentence: The following sentence: ' 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.' presents plagiarism from the 'org-101.txt' file and sentence '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: The following sentence: ' Furthermore, the limitation of availability of retina specialists and trained human graders has been a major problem in many countries.' presents plagiarism from the 'org-101.txt' file and sentence 'Furthermore, the limitation of availability of retina specialists and trained human graders is a major problem in many countries.'

Plagiarized Sentence: The following sentence: ' Consequently, given the current population growth trends, it would be inevitable that analyzing such images is time-consuming, costly, and prone to human error.' presents plagiarism from the 'org-101.txt' file and sentence '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: The following sentence: ' 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.' presents plagiarism from the 'org-101.txt' file and sentence '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: The following sentence: ' 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.' presents plagiarism from the 'org-101.txt' file and sentence '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.'

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