

AI Based Dental Scan Report

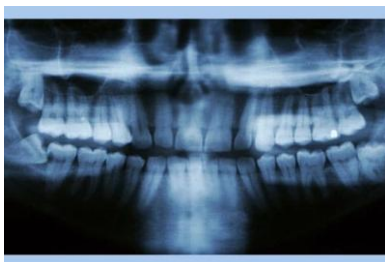
Patient Information:

First Name:	kesavadas
Last Name:	Kesavadas
Email:	kesav
Gender:	M
Date of Birth:	2025-05-28 07:27:56
Age:	N/A
Contact Number:	1234567
Address:	123 anywhere

Observations:

Symptoms:	tooth ache
Previous Treatments:	teeth removal
Brushing Frequency:	Twice daily
Tobacco Use:	Yes
other	

Uploaded Image(s):



Analysis

Dental Condition Name: Impacted Wisdom Teeth Aphthous Ulcers (Canker Sores)
Gingivitis
Severity Percentage: 70% 15% 25%

Information about the Condition:

Based on the provided radiographic image, the patient presents with impacted third molars, commonly known as wisdom teeth. The image shows at least one, possibly more, mandibular third molars that are impacted, meaning they are unable to fully erupt into their normal position within the dental arch. Impaction can occur due to various factors, including insufficient space in the jaw, abnormal angulation of the tooth, or surrounding bone density. Impacted wisdom teeth may remain completely submerged within the jawbone or partially emerge, potentially leading to various complications. These complications include pericoronitis (inflammation of the soft tissues surrounding the partially erupted tooth), which can cause pain, swelling, and infection. Furthermore, impacted wisdom teeth may contribute to the development of cysts or tumors, dental caries on adjacent teeth, or even damage to adjacent teeth through pressure or impaction. In certain cases, they might also present with crowding or malalignment of other teeth. Based on the provided image, I observe the presence of multiple aphthous ulcers, commonly known as canker sores, on the inner surface of the lower lip. Aphthous ulcers are small, shallow lesions that typically appear on the non-keratinized mucous membranes of the mouth, including the inner lips, cheeks, tongue, and floor of the mouth. They are characterized by a whitish-yellow base surrounded by a red halo. The etiology of aphthous ulcers remains incompletely understood, but contributing factors may include minor trauma, stress, hormonal changes, nutritional deficiencies (especially iron, vitamin B12, and folic acid), and certain medical conditions. In some cases, they may be associated with specific food allergies or sensitivities. The ulcers usually heal spontaneously within 7-10 days, without scarring, although larger ulcers may take longer to resolve. Their recurrence is quite common, and some individuals experience frequent outbreaks. The size and number of ulcers can vary considerably. The image presents a case of gingivitis, an inflammatory condition of the gums. The clinical presentation shows marked redness and inflammation of the gingival tissues, particularly noticeable around the base of the teeth. The gingival margins appear slightly swollen and bleed easily, a hallmark sign of gingivitis. The inflammation is a direct result of plaque accumulation, a biofilm composed primarily of bacteria, which adhere to the tooth surfaces and the gingival sulcus. This plaque produces toxins that initiate the inflammatory response, leading to the observed clinical symptoms. Untreated gingivitis can progress to periodontitis, a more severe form of gum disease characterized by bone loss and tooth loss. The image does not definitively reveal the presence of periodontitis, but the inflammatory response exhibited suggests gingivitis is present and needs prompt attention. The yellowish discoloration on certain teeth is likely extrinsic staining from substances such as tobacco or certain foods and beverages, and is not directly related to gingivitis. However, poor oral hygiene, which is likely contributing to the gingivitis, can also aggravate staining.

Home Cure or Remedy:

While home remedies cannot resolve an impacted wisdom tooth, some measures may temporarily relieve associated discomfort. Rinsing the mouth thoroughly with warm salt water (one-half teaspoon of salt in eight ounces of warm water) can help reduce inflammation and soothe any existing irritation or infection. Over-the-counter analgesics, such as ibuprofen or acetaminophen, may help manage pain. However, it is crucial to understand that these are only temporary measures and do not address the underlying cause. Applying a cold compress to the outside of the cheek can help reduce swelling in cases of pericoronitis. For temporary relief, you may gently rinse your mouth with a warm saline solution (1/4 teaspoon of salt dissolved in 8 ounces of warm water) several times a day. This helps to cleanse the area and may provide some soothing relief from discomfort. Over-the-counter topical anesthetics like benzocaine or lidocaine may temporarily numb the area, reducing pain. Avoid irritating the ulcers with acidic, spicy, or highly seasoned foods. Applying a small amount of aloe vera gel directly to the ulcers may also

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offer some soothing properties, although scientific evidence supporting this is limited. Ensure you are using a high-quality, pharmaceutical-grade aloe vera gel. While home remedies cannot cure gingivitis, they can offer temporary symptomatic relief and support healing. Rinsing the mouth with a warm saltwater solution (1/2 teaspoon of salt in 8 ounces of warm water) several times a day can help reduce inflammation and temporarily alleviate discomfort. Gentle brushing and flossing are crucial, though care must be taken to avoid further gum irritation. Use a soft-bristled toothbrush and floss gently, ensuring to remove plaque from the gum line.

Dietary Options or Food Solutions:

A soft-food diet is recommended during periods of pain or swelling. Avoid excessively hard, crunchy, or chewy foods that may cause further irritation or exacerbate the condition. Focus on nutrient-rich, soft foods such as soups, smoothies, yogurt, mashed potatoes, and well-cooked vegetables. Maintaining a balanced diet rich in vitamins and minerals is essential for overall oral health, and particularly important in promoting healing. Ensure adequate calcium and vitamin D intake for strong bone tissue. The consumption of foods high in antioxidants may also contribute to general health and potentially reduce inflammation. To aid healing and prevent future occurrences, a balanced diet rich in fruits, vegetables, and whole grains is essential. Pay particular attention to ensuring adequate intake of iron, vitamin B12, and folic acid, which can be found in foods such as leafy green vegetables, red meat, poultry, fish, eggs, and dairy products. Staying well-hydrated is also crucial. As mentioned previously, identifying and avoiding any potential food triggers is crucial if you've noticed a link between specific dietary items and outbreaks. Dietary changes can significantly support oral health and contribute to gingivitis management. A diet rich in fruits and vegetables provides essential vitamins and antioxidants that promote gum health. Foods high in Vitamin C, such as oranges and strawberries, are particularly beneficial as Vitamin C plays a vital role in collagen synthesis, crucial for gingival tissue repair. Foods high in calcium and phosphorus, like dairy products and leafy green vegetables, are important for maintaining strong teeth and overall oral health. It is strongly recommended to avoid sugary foods and drinks as they promote plaque formation and exacerbate gingivitis. Frequent consumption of acidic beverages can also erode tooth enamel, which, while not directly impacting gingivitis, weakens teeth and makes them more susceptible to other dental problems.

Call for Action:

Given the observed radiographic evidence of impaction and the potential for serious complications outlined above, I strongly advise you to schedule an appointment with our office at your earliest convenience. The 70% severity rating reflects the potential for the development of serious complications if the condition is left unaddressed. While home remedies may provide temporary relief, it is imperative that we assess the situation comprehensively and develop a treatment strategy tailored to your specific circumstances. Delayed treatment can lead to irreversible dental damage, infection, or other systemic health issues. Contact our office promptly to book your appointment. --- Analysis for Image 2 --- Given the relatively small size and limited number of ulcers observed in the image, and the self-limiting nature of aphthous ulcers, immediate dental attention is not strictly necessary. However, if the ulcers become significantly larger, more numerous, persistent (lasting longer than two weeks), or accompanied by fever, significant pain, or other systemic symptoms, please schedule an appointment for a thorough evaluation at your earliest convenience. Regular oral hygiene, including gentle brushing and flossing, is recommended to maintain optimal oral health. --- Analysis for Image 3 --- Based on the image, which suggests mild gingivitis, I recommend scheduling a comprehensive dental examination as soon as possible. While the severity is currently low (25%), the condition's progressive nature warrants prompt professional intervention. Early treatment can prevent progression to more severe periodontitis. Delaying treatment could lead to increased inflammation, potential gum recession, and eventually, bone loss. An early visit will allow me to perform a thorough clinical examination, including periodontal probing and radiographic evaluation. This will ensure proper diagnosis and the implementation of an appropriate treatment plan to address the gingivitis and prevent further complications.

Recommended Actions:

Schedule a dentist consultation within 2 weeks.
Monitor for signs of pain or swelling.
Early treatment prevents complex procedures.
Do not delay if symptoms worsen.

Oral Health Essentials – IntelliDent Tips

- Brush twice daily with fluoride toothpaste.
- Replace toothbrush every 3 months.
- Floss daily.
- Avoid tobacco and sugary foods.
- Visit your dentist every 6 months.
- Use antiseptic mouthwash if prescribed.

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⚠ Disclaimers:

This report is AI-generated and intended for informational purposes only. Please consult a licensed dental professional for an accurate diagnosis and treatment plan.

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About IntelliDent AI

IntelliDent is on a mission to make dental care more Affordable, Accessible, and Available to anyone, anytime, anywhere.

Our AI-powered platform delivers instant dental reports, hygiene scores, and early diagnostic insights. Backed by experienced clinicians and technologists, IntelliDent helps bridge the gap between oral health awareness and real-time action.

Key Features:

- Instant Teeth Scanning & Scoring
- Condition Detection (Caries, Periodontal Disease, etc.)
- Mobile App for Daily Tracking
- Seamless API Integration with Clinics