



Patients Full Name _____ Preferred Nickname _____

If under 18 years old, name of parent or legal guardian: _____

Date of Birth: _____ Please select one: Male/ Female

Please select one: Married Single Minor Partner ___ years

Home Address _____

Home Phone:(____) _____ Cell Phone(____) _____

Email _____

Who is Responsible for this account/Relationship to patient _____

Social Security #: ____ - ____ - ____ Occupation _____

Employer _____ Employer Phone (____) _____

Employer Address _____

Name of Dental insurance Company _____ Group Number _____

If you are NOT the primary account holder, on your dental insurance plan:

Spouse/Parent name _____ Spouse/Parent Birthdate _____

Spouse/Parent Employed by _____ Occupation _____

Business Address _____ Business Phone (____) _____

Spouse/Parent Social Security # ____ - ____ - ____

Whom may we thank for referring you to our office? _____

It is the patients responsibility to inform the office of any changes in your insurance coverage.

A \$50 cancelation fee will be charged for appointments canceled or broken within 24 hours of the scheduled appointment.

Patient or Guardians Signature

Date

CONFIDENTIAL HEALTH HISTORY

Patient Name: _____ Date of Birth: _____

I. CIRCLE APPROPRIATE ANSWER (Leave blank if you do not understand the question)

1. Yes / No Is your general health good?
If NO, explain: _____
2. Yes / No Has there been a change in your health within the last year?
If YES, explain: _____
3. Yes / No Have you gone to the hospital or emergency room or had a serious illness in the last three years?
If YES, explain: _____
4. Yes / No Are you being treated by a physician now? If YES, explain: _____
Date of last medical exam? _____ Reason for exam: _____
5. Yes / No Have you had problems with prior dental treatment?
If YES, explain: _____
Date of last dental exam: _____ Name of last treating dentist: _____
6. Yes / No Are you in pain now?
If YES, explain: _____

II. HAVE YOU EVER EXPERIENCED ANY OF THE FOLLOWING? (Please circle Yes or No for each)

- | | | |
|---|-----------------------------------|----------------------------------|
| Yes / No Chest pain (angina) | Yes / No Blood in stools | Yes / No Frequent vomiting |
| Yes / No Fainting spells | Yes / No Diarrhea or constipation | Yes / No Jaundice |
| Yes / No Recent significant weight loss | Yes / No Frequent urination | Yes / No Dry mouth |
| Yes / No Fever | Yes / No Difficulty urinating | Yes / No Excessive thirst |
| Yes / No Night sweats | Yes / No Ringing in ears | Yes / No Difficulty swallowing |
| Yes / No Persistent cough | Yes / No Headaches | Yes / No Swollen ankles |
| Yes / No Coughing up blood | Yes / No Dizziness | Yes / No Joint pain or stiffness |
| Yes / No Bleeding problems | Yes / No Blurred vision | Yes / No Shortness of breath |
| Yes / No Blood in urine | Yes / No Bruise easily | Yes / No Sinus problems |
- Other: _____

III. HAVE YOU EVER HAD OR DO YOU HAVE ANY OF THE FOLLOWING? (Please circle Yes or No for each)

- | | | |
|--|--|---------------------------------------|
| Yes / No Heart disease | Yes / No AIDS/HIV | Yes / No Psychiatric care |
| Yes / No Family history of heart disease | Yes / No Surgeries | Yes / No Osteoporosis |
| Yes / No Heart attack | Yes / No Hospitalization | Yes / No Thyroid disease |
| Yes / No Artificial joint | Yes / No Diabetes | Yes / No Asthma |
| Type/ Date of surgery: _____ | | |
| Yes / No Stomach problems or ulcers | Yes / No Family history of diabetes | Yes / No Hepatitis |
| Yes / No Heart defects | Yes / No Tumors or cancer | Yes / No Sexually transmitted disease |
| Yes / No Pacemaker | | |
| Date implanted: _____ | | |
| Yes / No Heart murmurs | Yes / No Chemotherapy | Yes / No Herpes |
| Yes / No Rheumatic fever | Yes / No Radiation | Yes / No Canker or cold sores |
| Yes / No Skin disease | Yes / No Arthritis, rheumatism | Yes / No Anemia |
| Yes / No Hardening of arteries | Yes / No Emphysema or other lung disease | Yes / No Liver disease |
| Yes / No High blood pressure | Yes / No Kidney or bladder disease | Yes / No Eye disease |
| Yes / No Seizures | Yes / No Stroke | Yes / No Transplants |
| Yes / No Cosmetic surgery | Yes / No Eating disorders | Yes / No Tuberculosis |

Other: _____

IV. ARE YOU ALLERGIC TO OR HAVE YOU HAD A REACTION TO ANY OF THE FOLLOWING?

(Please circle Yes or No for each)

Yes / No Aspirin	Yes / No Valium or sedatives	Yes / No Codeine or other opioids
Yes / No Penicillin or other antibiotics	Yes / No Latex	Yes / No Food
Yes / No Nitrous oxide	Yes / No Local anesthetic	Yes / No Metal

Others: _____

V. ARE YOU TAKING OR HAVE YOU TAKEN ANY OF THE FOLLOWING IN THE LAST THREE MONTHS?

(Please circle Yes or No for each)

Yes / No Recreational drugs	Yes / No Tobacco in any form	Yes / No Antibiotics
Yes / No Over-the-counter medicines	Yes / No Alcohol	Yes / No Supplements
Yes / No Weight loss medications	Yes / No Bisphosphonate (Fosamax)	Yes / No Aspirin
Yes / No Antidepressants	Yes / No Herbal supplements	

Yes / No Opioids (e.g., Norco, Vicodin, Percocet, Percodan) If YES, please explain reason: _____

Please list all prescription medications: _____

VI. WOMEN ONLY (Please circle Yes or No for each)

Yes / No Are you or could you be pregnant? If YES, how many months? _____

Yes / No Are you nursing? _____

Yes / No Are you taking birth control pills? _____

VII. ALL PATIENTS (Please circle Yes or No for each)

Yes / No Do you have or have you had any other diseases or medical problems NOT listed on this form?
If YES, please explain: _____

Yes / No Have you ever been pre-medicated for dental treatment? If YES, why: _____

Yes / No Have you tested positive for COVID-19?
If YES, date of positive test result: _____

Yes / No Are you experiencing any ongoing or lasting symptoms or effects as a result?
If YES, what are these symptoms or effects? _____

Yes / No Are you currently under the care of a physician or taking any medications for any of the conditions listed above?
If YES, please list _____

If patient answers "yes" to any of the questions above, consider seeking additional information from the patient regarding their symptoms and medications, prior to treatment.

Yes / No **Are there any issues or conditions that you would like to discuss with the dentist in private?**

The practice of dentistry involves treating the whole person. If the dentist determines that there may be a potentially medically-compromised situation, medical consultation may be needed prior to commencement of dental treatment.

I authorize the dentist to contact my physician.

Patient's Signature: _____

Date: _____

Physician's Name: _____

Phone Number: _____

Whom would you like us to contact in case of an emergency?):

Name: _____ **Relationship:** _____ **Phone Number:** _____

I certify that I have read and understand this form. To the best of my knowledge, I have answered every question completely and accurately. I will inform my dentist of any change in my health and/or medication. Further, I will not hold my dentist, or any other member of his/her staff, responsible for any errors or omissions that I may have made in the completion of this form.

Signature of Patient (Parent or Guardian)

Date

Signature of Dentist

Date

MEDICAL UPDATES

I have reviewed my Health History and confirm that it accurately states past and present conditions.

DATE	PATIENT SIGNATURE	CHANGES TO HEALTH HISTORY	DENTIST INITIALS
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



CHAVEZ
DENTAL CARE

NOTICE OF PRIVACY PRACTICES ACKNOWLEDGEMENT

I have received the Notice of Privacy Practices and I have been provided the opportunity to review it.

Full Name

Date of Birth

Signature

Today's Date

Notice of Privacy Practices

This notice describes how your health information may be used and disclosed and how you can get access to this information. Please review it carefully. The privacy of your health information is important to us.

Our Legal Duty

Federal and state laws require us to maintain the privacy of your health information. We are also required to provide this notice about our office's privacy practices, our legal duties and your rights regarding your health information. We are required to follow the practices that are outlined in this notice while it is in effect. This notice takes effect TODAY'S DATE and will remain in effect until we replace it.

We reserve the right to change our privacy practices and the terms of this notice at any time, provided such changes are permitted by applicable law. We reserve the right to make changes in our privacy practices and the new terms of our notice effective for all health information that we maintain, including health information we created or received before we made the changes. Before we make a significant change in our privacy practices, we will change this notice and make the new notice available upon request. For more information about our privacy practices or additional copies of this notice, please contact us (contact information below).

Uses and Disclosures of Health Information

We use and disclose health information about you for treatment, payment and health care operations.
For example:

Treatment

We disclose medical information to our employees and others who are involved in providing the care you need. We may use or disclose your health information to another dentist or other health care providers providing treatment that we do not provide. We may also share your health information with a pharmacist in order to provide you with a prescription or with a laboratory that performs tests or fabricates dental prostheses or orthodontic appliances.

Payment

We may use and disclose your health information to obtain payment for services we provide to you, unless you request that we restrict such disclosure to your health plan when you have paid out-of-pocket and in full for services rendered.

Health Care Operations

We may use and disclose your health information in connection with our health care operations. Health care operations include, but are not limited to, quality assessment and improvement activities, reviewing the competence or qualifications of health care professionals, evaluating practitioner and provider performance, conducting training programs, accreditation, certification, licensing or credentialing activities.

Your Authorization

In addition to our use of your health information for treatment, payment or health care operations, you may give us written authorization to use your health information or to disclose it to anyone for any purpose. If you give us an authorization, you may revoke it in writing at any time. Your revocation will not affect any use or disclosures permitted by your authorization while it is in effect. Unless you give us a written authorization, we cannot use or disclose your health information for any reason except those described in this notice.

To Your Family and Friends

We must disclose your health information to you, as described in the Patient Rights section of this notice. You have the right to request restrictions on disclosure to family members, other relatives, close personal friends or any other person identified by you.

Unsecured Email

We will not send you unsecured emails pertaining to your health information without your prior authorization. If you do authorize communications via unsecured email, you have the right to revoke the authorization at any time.

Persons Involved in Care

We may use or disclose health information to notify, or assist in the notification of (including identifying or locating) a family member, your personal representative or another person responsible for your care, of your location, your general condition or your death. If you are present, then prior to use or disclosure of your health information, we will provide you with an opportunity to object to such uses or disclosures. In the event of your incapacity or emergency circumstances, we will disclose health information based on a determination using our professional judgment disclosing only health information that is directly relevant to the person's involvement in your health care. We will also use our professional judgment and our experience with common practice to make reasonable inferences of your best interest in allowing a person to pick up filled prescriptions, medical supplies, X-rays or other similar forms of health information.

Marketing Health-Related Services

We may contact you about products or services related to your treatment, case management or care coordination or to propose other treatments or health-related benefits and services in which you may be interested. We may also encourage you to purchase a product or service when you visit our office. If you are currently an enrollee of a dental plan, we may receive payment for communications to you in relation to our provision, coordination or management of your dental care, including our coordination or management of your health care with a third party, our consultation with other health care providers relating to your care or if we refer you for health care. We will not otherwise use or disclose your health information for marketing purposes without your written authorization. We will disclose whether we receive payments for marketing activity you have authorized.

Change of Ownership

If this dental practice is sold or merged with another practice or organization, your health records will become the property of the new owner. However, you may request that copies of your health information be transferred to another dental practice.

Required by Law

We may use or disclose your health information when we are required to do so by law.

Public Health

We may, and are sometimes legally obligated to, disclose your health information to public health agencies for purposes related to preventing or controlling disease, injury or disability; reporting abuse or neglect; reporting domestic violence; reporting to the Food and Drug Administration problems with products and reactions to medications; and reporting disease or infection exposure. Upon reporting suspected elder or dependent adult abuse or domestic violence, we will promptly inform you or your personal representative unless we believe the notification would place you at risk of harm or would require informing a personal representative we believe is responsible for the abuse.

Abuse or Neglect

We may disclose your health information to appropriate authorities if we reasonably believe that you are a possible victim of abuse, neglect or domestic violence or the possible victim of other crimes. We may disclose your health information to the extent necessary to avert a serious threat to your health or safety or the health or safety of others.

National Security

We may disclose to military authorities the health information of Armed Forces personnel under certain circumstances. We may disclose to authorized federal officials health information required for lawful intelligence, counterintelligence and other national security activities. We may disclose to correctional institutions or law enforcement officials having lawful custody of protected health information of inmates or patients under certain circumstances.

Appointment Reminders

We may contact you to provide you with appointment reminders via voicemail, postcards or letters. We may also leave a message with the person answering the phone if you are not available.

Patient Rights

Access

You have the right to look at or get copies of your health information, with limited exceptions. You may request that we provide copies in a format other than photocopies. We will use the format you request unless we cannot practicably do so. You must make a request in writing to obtain access to your health information. You may obtain a form to request access by contacting our office. We will charge you a reasonable cost-based fee for expenses such as copies and staff time. You may also request access by sending us a letter. If you request copies, there may be a charge for time spent. If you request an alternate format, we will charge a cost-based fee for providing your health information in that format. If you prefer, we will prepare a summary or an explanation of your health information for a fee. Contact us for a full explanation of our fee structure.

Disclosure Accounting

You have a right to receive a list of instances in which we disclosed your health information for purposes other than treatment, payment, health care operations and certain other activities for the last six years. If you request this accounting more than once in a 12-month period, we may charge you a reasonable cost-based fee for responding to these additional requests.

Restriction

You have the right to request that we place additional restrictions on our use or disclosure of your health information. We are not required to agree to these additional restrictions, but if we do, we will abide by our agreement (except in emergency). In the event you pay out-of-pocket and in full for services rendered, you may request that we not share your health information with your health plan. We must agree to this request.

Alternative Communication

You have the right to request that we communicate with you about your health information by alternative means or to alternative locations. You must make your request in writing. Your request must specify the alternative means or location and provide satisfactory explanation of how payments will be handled under the alternative means or location you request.

Breach Notification

In the event your unsecured protected health information is breached, we will notify you as required by law. In some situations, you may be notified by our business associates.

Amendment

You have the right to request that we amend your health information. (Your request must be in writing, and it must explain why the information should be amended). We may deny your request under certain circumstances.

Questions and Complaints

If you want more information about our privacy practices or have questions or concerns, please contact us at:

CHAVEZ DENTAL CARE
STAFF@CHAVEZDENTALCARE.COM
236 N SAN MATEO DRIVE
SAN MATEO, CA 94401
(650)342-7016

If you are concerned that we may have violated your privacy rights, or you disagree with a decision we made about access to your health information or in response to a request you made to amend or restrict the use or disclosure of your health information or to have us communicate with you by alternative means or at alternative locations, you may send a written complaint to our office or to the U.S. Department of Health and Human Services, Office of Civil Rights. We will not retaliate against you for filing a complaint.

CHAVEZ DENTAL CARE complies with applicable federal civil rights laws and does not discriminate on the basis of race, color, national origin, age, disability or sex.

California

English:

Our dental practice will provide language assistance services free-of-charge to individuals who do not speak English well enough to discuss the dental care we are providing.

Spanish:

Nuestro consultorio dental les proporcionará servicios de asistencia lingüística gratuitos a los individuos que no hablen inglés con suficiente fluidez para discutir la atención dental que proporcionamos.

Chinese:

我们的牙科业务将为英语不太流利的人士提供免费的语言协助服务，以方便讨论我们提供的牙齿护理服务。

Vietnamese:

Thực hành nha khoa của chúng tôi sẽ cung cấp các dịch vụ hỗ trợ ngôn ngữ miễn phí cho những người không có khả năng nói tiếng Anh đủ tốt để thảo luận việc chăm sóc răng miệng mà chúng tôi đang cung cấp.

Tagalog:

Ang aming dental na kasanayan ay magbibigay ng walang bayad na mga serbisyong tulong na wika sa mga indibidwal na hindi nakakapagsalita ng maayos na Ingles upang talakayin ang ibinibigay naming dental na pangangalaga.

Korean:

저희 치과는 저희가 제공하는 치과 치료에 대해 영어로 논의하기가 불편하신 분들을 위해 무료 언어 지원 서비스를 제공할 것입니다.

Armenian:

Մեր ատամնաբուժական պրակտիկան կտրամադրի անվճար լեզվական ծառայություններ բոլոր այն անձանց ովքեր անգլերենին բավարար չեն տիրապետում մեր կողմից տրամադրվող ատամնաբուժական խնամքի շուրջ հարցեր քննարկելու:

Persian (Farsi):

مرکز خدمات دندان پزشکی ما خدمات کمک زبانی را به صورت رایگان برای افرادی فراهم می‌آورد که انگلیسی را با تسلط صحبت نمی‌کنند تا در مورد مراقبت های دندانیه که ارائه می‌کنیم گفتگو کنند.

Russian:

Наша стоматологическая клиника бесплатно предоставляет клиентам, которые не достаточно хорошо говорят на английском языке, услуги переводчика, чтобы помочь им обсудить предоставляемую нами стоматологическую помощь.

Japanese:

当社の歯科治療では提供している歯科ケアに関して話し合える程度の英語力のない方に無料で言語サポートサービスを提供しています。

Arabic:

سوف نقدم عيادة طب الأسنان مساعدة لغوية مجانية لأولئك الذين لا يجيدون الإنكليزية من أجل مناقشة خدمات العناية بالأسنان التي نقدمها.

Punjabi:

ਉਰ ਡੈਂਟਲ ਪ੍ਰੈਕਟਿਸ ਵਿਲ ਪ੍ਰੋਵੀਦੇ ਲੈਂਗੂਏਜ ਅਸਿਸਟੈਂਸ ਸਰਵਿਸਜ਼ ਫ੍ਰੀ-ਓਫ-ਚਾਰਜ ਤੋਂ ਇੰਡਿਵਿਦੁਲਜ਼ ਹੂ ਦੇ ਨ ਸਪੈਕ ਇੰਗਲਿਸ਼ ਵੈਲ ਏਨੋਘ ਤੋਂ ਡਿਸਕਸ ਥੇ ਡੈਂਟਲ ਚਾਰੇ ਵੀ ਰੇ ਪ੍ਰੋਵੀਡੀਨਗ।

Mon-Khmer:

គំនិតផ្តួចផ្តើមយើងផ្តល់នូវសេវាផ្តល់ជូនដោយឥតគិតថ្លៃដល់អ្នកដែលមិនចេះនិយាយភាសាខ្មែរដាច់ខាត ដើម្បីពិគ្រោះពីការគ្រប់គ្រងអំពីបញ្ហាសេវាភ្នែកដែលយើងផ្តល់ជូន។

Hmong:

Ang aming pagsasanay ukol sa ngipin o dental practice ay magbibigay ng libreng mga serbisyong tulong sa mga indibidwal na hindi masyadong nakakapagsalita ng Ingles upang talakayin ang pangangalaga sa ngipin na aming ibinibigay.

Hindi:

हमारे दंत चिकित्सालय के प्रभायी, जो व्यक्ती अच्छी तरह इंटरलीश बोल नहीं सकते हैं उनको, हम जो दंत चिकित्सा देखभाल प्रदान कर रहे हैं उसके बारेमें बात करनेके लिये बीना कोई फीस भाषा सहायता सेवाएं प्रदान करेंगे |

Thai:

แนวปฏิบัติด้านทันตกรรมของเราจะให้บริการช่วยเหลือด้านภาษาฟรีแก่บุคคลที่พูดภาษาอังกฤษไม่ชำนาญเพียงพอที่จะหารือเกี่ยวกับบริการทันตกรรมของเรา



CHAVEZ
DENTAL CARE

DENTAL MATERIALS FACT SHEET ACKNOWLEDGEMENT

I have received the Dental Materials Fact Sheet and I have been provided the opportunity to review it.

Full Name

Date of Birth

Signature

Today's Date

Dental Materials – Advantages & Disadvantages

PORCELAIN FUSED TO METAL

This type of porcelain is a glass-like material that is “enameled” on top of metal shells. It is tooth-colored and is used for crowns and fixed bridges

Advantages

- ♥ Good resistance to further decay if the restoration fits well
- ♥ Very durable, due to metal substructure
- ♥ The material does not cause tooth sensitivity
- ♥ Resists leakage because it can be shaped for a very accurate fit

Disadvantages

- More tooth must be removed (than for porcelain) for the metal substructure
- Higher cost because it requires at least two office visits and laboratory services

GOLD ALLOY

Gold alloy is a gold-colored mixture of gold, copper, and other metals and is used mainly for crowns and fixed bridges and some partial denture frameworks

Advantages

- ♥ Good resistance to further decay if the restoration fits well
- ♥ Excellent durability; does not fracture under stress
- ♥ Does not corrode in the mouth
- ♥ Minimal amount of tooth needs to be removed
- ♥ Wears well; does not cause excessive wear to opposing teeth
- ♥ Resists leakage because it can be shaped for a very accurate fit

Disadvantages

- Is not tooth colored; alloy is yellow
- Conducts heat and cold; may irritate sensitive teeth
- High cost; requires at least two office visits and laboratory services

DENTAL BOARD OF CALIFORNIA

2005 Evergreen Street, Suite 1550, Sacramento, CA 95815

www.dbc.ca.gov

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The Facts About Fillings

Reprinted in 2019

The Facts About Fillings



PLEASE NOTE THAT IF YOUR DENTAL INSURANCE DOES NOT COVER ("TOOTH COLORED RESTORATIONS") RESIN COMPOSITES OR PORCELAIN ON POSTERIOR TEETH, YOU WILL BE RESPONSIBLE FOR AN UPGRADED MATERIALS FEE PER TOOTH. PLEASE LET US KNOW IF YOU HAVE ANY QUESTIONS OR YOU WOULD NOT LIKE TO USE THESE MATERIALS IF TREATMENT PLANNED BY YOUR DOCTOR TODAY.

DENTAL BOARD OF CALIFORNIA

2005 Evergreen Street, Suite 1550, Sacramento, CA 95815

www.dbc.ca.gov



Dental Materials Fact Sheet

What About the Safety of Filling Materials?

Patient health and the safety of dental treatments are the primary goals of California's dental professionals and the Dental Board of California. The purpose of this fact sheet is to provide you with information concerning the risks and benefits of all the dental materials used in the restoration (filling) of teeth.

The Dental Board of California is required by law* to make this dental materials fact sheet available to every licensed dentist in the state of California. Your dentist, in turn, must provide this fact sheet to every new patient and all patients of record only once before beginning any dental filling procedure.

As the patient or parent/guardian, you are strongly encouraged to discuss with your dentist the facts presented concerning the filling materials being considered for your particular treatment.

* *Business and Professions Code 1648.10-1648.20*

Allergic Reactions to Dental Materials

Components in dental fillings may have side effects or cause allergic reactions, just like other materials we may come in contact with in our daily lives. The risks of such reactions are very low for all types of filling materials. Such reactions can be caused by specific components of the filling materials such as mercury, nickel, chromium, and/or beryllium alloys. Usually, an allergy will reveal itself as a skin rash and is easily reversed when the individual is not in contact with the material.

There are no documented cases of allergic reactions to composite resin, glass ionomer, resin ionomer, or porcelain. However, there have been rare allergic responses reported with dental amalgam, porcelain fused to metal, gold alloys, and nickel or cobalt-chrome alloys.

If you suffer from allergies, discuss these potential problems with your dentist before a filling material is chosen.

PORCELAIN (CERAMIC)

Porcelain is a glass-like material formed into fillings or crowns using models of the prepared teeth. The material is tooth-colored and is used in inlays, veneers, crowns and fixed bridges.

Advantages

- ♥ Very little tooth needs to be removed for use as a veneer; more tooth needs to be removed for a crown because its strength is related to its bulk (size)
- ♥ Good resistance to further decay if the restoration fits well
- ♥ Is resistant to surface wear but can cause some wear on opposing teeth
- ♥ Resists leakage because it can be shaped for a very accurate fit
- ♥ The material does not cause tooth sensitivity

Disadvantages

- Material is brittle and can break under biting forces
- May not be recommended for molar teeth
- Higher cost because it requires at least two office visits and laboratory services

NICKEL OR COBALT-CHROME ALLOYS

Nickel or cobalt-chrome alloys are mixtures of nickel and chromium. They are a dark silver metal color and are used for crowns and fixed bridges and most partial denture frameworks.

Advantages

- ♥ Good resistance to further decay if the restoration fits well
- ♥ Excellent durability; does not fracture under stress
- ♥ Does not corrode in the mouth
- ♥ Minimal amount of tooth needs to be removed
- ♥ Resists leakage because it can be shaped for a very accurate fit

Disadvantages

- Is not tooth colored; alloy is a dark silver metal color
- Conducts heat and cold; may irritate sensitive teeth
- Can be abrasive to opposing teeth
- High cost; requires at least two office visits and laboratory services
- Slightly higher wear to opposing teeth



Dental Materials – Advantages & Disadvantages

GLASS IONOMER CEMENT

Glass ionomer cement is a self-hardening mixture of glass and organic acid. It is tooth-colored and varies in translucency. Glass ionomer is usually used for small fillings, cementing metal and porcelain/metal crowns, liners, and temporary restorations.

Advantages

- ♥ Reasonably good esthetics
- ♥ May provide some help against decay because it releases fluoride
- ♥ Minimal amount of tooth needs to be removed and it bonds well to both the enamel and the dentin beneath the enamel
- ♥ Material has low incidence of producing tooth sensitivity
- ♥ Usually completed in one dental visit

Disadvantages

- Cost is very similar to composite resin (which costs more than amalgam)
- Limited use because it is not recommended for biting surfaces in permanent teeth
- As it ages, this material may become rough and could increase the accumulation of plaque and chance of periodontal disease
- Does not wear well; tends to crack over time and can be dislodged

RESIN-IONOMER CEMENT

Resin ionomer cement is a mixture of glass and resin polymer and organic acid that hardens with exposure to a blue light used in the dental office. It is tooth colored but more translucent than glass ionomer cement. It is most often used for small fillings, cementing metal and porcelain metal crowns and liners.

Advantages

- ♥ Very good esthetics
- ♥ May provide some help against decay because it releases fluoride
- ♥ Minimal amount of tooth needs to be removed and it bonds well to both the enamel and the dentin beneath the enamel
- ♥ Good for non-biting surfaces
- ♥ May be used for short-term primary teeth restorations
- ♥ May hold up better than glass ionomer but not as well as composite
- ♥ Good resistance to leakage
- ♥ Material has low incidence of producing tooth sensitivity
- ♥ Usually completed in one dental visit

Disadvantages

- Cost is very similar to composite resin (which costs more than amalgam)
- Limited use because it is not recommended to restore the biting surfaces of adults
- Wears faster than composite and amalgam

Toxicity of Dental Materials

Dental Amalgam

Mercury in its elemental form is on the State of California's Proposition 65 list of chemicals known to the state to cause reproductive toxicity. Mercury may harm the developing brain of a child or fetus.

Dental amalgam is created by mixing elemental mercury (43-54%) and an alloy powder (46-57%) composed mainly of silver, tin, and copper. This has caused discussion about the risks of mercury in dental amalgam. Such mercury is emitted in minute amounts as vapor. Some concerns have been raised regarding possible toxicity. Scientific research continues on the safety of dental amalgam. According to the Centers for Disease Control and Prevention, there is scant evidence that the health of the vast majority of people with amalgam is compromised.

The Food and Drug Administration (FDA) and other public health organizations have investigated the safety of amalgam used in dental fillings. The conclusion: no valid scientific evidence has shown that amalgams cause harm to patients with dental restorations, except in rare cases of allergy. The World Health Organization reached a similar conclusion stating, "Amalgam restorations are safe and cost effective."

A diversity of opinions exists regarding the safety of dental amalgams. Questions have been raised about its safety in pregnant women, children, and diabetics. However, scientific evidence and research literature in peer-reviewed scientific journals suggest that otherwise healthy women, children, and diabetics are not at an increased risk from dental amalgams in their mouths. The FDA places no restrictions on the use of dental amalgam.

Composite Resin

Some Composite Resins include Crystalline Silica, which is on the State of California's Proposition 65 list of chemicals known to the state to cause cancer.

It is always a good idea to discuss any dental treatment thoroughly with your dentist.

Dental Materials – Advantages & Disadvantages

DENTAL AMALGAM FILLINGS

Dental amalgam is a self-hardening mixture of silver-tin-copper alloy powder and liquid mercury and is sometimes referred to as silver fillings because of its color. It is often used as a filling material and replacement for broken teeth.

Advantages

- ♥ Durable; long lasting
- ♥ Wears well; holds up well to the forces of biting
- ♥ Relatively inexpensive
- ♥ Generally completed in one visit
- ♥ Self-sealing; minimal-to-no shrinkage and resists leakage
- ♥ Resistance to further decay is high, but can be difficult to find in early stages
- ♥ Frequency of repair and replacement is low

Disadvantages

- Refer to “What About the Safety of Filling Materials”
- Gray colored, not tooth colored
- May darken as it corrodes; may stain teeth over time
- Requires removal of some healthy tooth
- In larger amalgam fillings, the remaining tooth may weaken and fracture
- Because metal can conduct hot and cold temperatures, there may be a temporary sensitivity to hot and cold.
- Contact with other metals may cause occasional, minute electrical flow

The durability of any dental restoration is influenced not only by the material it is made from but also by the dentist’s technique when placing the restoration. Other factors include the supporting materials used in the procedure and the patient’s cooperation during the procedure. The length of time a restoration will last is dependent upon your dental hygiene, home care, and diet and chewing habits.

COMPOSITE RESIN FILLINGS

Composite fillings are a mixture of powdered glass and plastic resin, sometimes referred to as white, plastic, or tooth-colored fillings. It is used for fillings, inlays, veneers, partial and complete crowns, or to repair portions of broken teeth.

Advantages

- ♥ Strong and durable
- ♥ Tooth colored
- ♥ Single visit for fillings
- ♥ Resists breaking
- ♥ Maximum amount of tooth preserved
- ♥ Small risk of leakage if bonded only to enamel
- ♥ Does not corrode
- ♥ Generally holds up well to the forces of biting depending on product used
- ♥ Resistance to further decay is moderate and easy to find
- ♥ Frequency of repair or replacement is low to moderate

Disadvantages

- Refer to “What About the Safety of Filling Materials”
- Moderate occurrence of tooth sensitivity; sensitive to dentist’s method of application
- Costs more than dental amalgam
- Material shrinks when hardened and could lead to further decay and/or temperature sensitivity
- Requires more than one visit for inlays, veneers, and crowns
- May wear faster than dental enamel
- May leak over time when bonded beneath the layer of enamel

