

REGISTRATION AND HISTORY

1 PATIENT INFORMATION

Date _____

SS/HIC/Patient ID # _____

Patient Name _____
Last Name _____
First Name _____ Middle Initial _____

Address _____

City _____

State _____ Zip _____

E-mail _____

Sex M F Birthdate _____ Age _____

Married Widowed Single Minor
 Separated Divorced Partnered for _____ years

Occupation _____

Patient Employer/School _____

Employer/School Address _____

Employer/School Phone (_____) _____

Spouse's Name _____

Birthdate _____

SS# _____

Spouse's Employer _____

Whom may we thank for referring you? _____

2 DENTAL INSURANCE

Who is responsible for this account? _____

Relationship to Patient _____

Insurance Co. _____

Group # _____

Is patient covered by additional insurance? Yes No

Subscriber's Name _____

Birthdate _____ SS# _____

Relationship to Patient _____

Insurance Co. _____

Group # _____

ASSIGNMENT AND RELEASE

I certify that I, and/or my dependent(s), have insurance coverage with _____ and assign directly to _____
Name of Insurance Company(ies)

Dr. _____ all insurance benefits, if any, otherwise payable to me for services rendered. I understand that I am financially responsible for all charges whether or not paid by insurance. I authorize the use of my signature on all insurance submissions.

The above-named dentist may use my health care information and may disclose such information to the above-named insurance Company(ies) and their agents for the purpose of obtaining payment for services and determining insurance benefits or the benefits payable for related services. This consent will end when my current treatment plan is completed or one year from the date signed below.

Signature of Patient, Parent, Guardian or Personal Representative

Please print name of Patient, Parent, Guardian or Personal Representative

Date Relationship to Patient _____

3 PHONE NUMBERS

Home (_____) _____ Work (_____) _____ Ext _____ Alt. Phone (_____) _____

Spouse's Work (_____) _____ Best time and place to reach you _____

IN CASE OF EMERGENCY, CONTACT (Specify someone who does not live in your household.)

Name _____ Relationship _____

Home Phone (_____) _____ Work Phone (_____) _____

4 DENTAL HISTORY

Reason for today's visit _____	Chew on one side of mouth <input type="checkbox"/> Yes <input type="checkbox"/> No	Mouth breathing <input type="checkbox"/> Yes <input type="checkbox"/> No
Former Dentist _____	Cigarette, pipe, or cigar smoking <input type="checkbox"/> Yes <input type="checkbox"/> No	Mouth pain, brushing <input type="checkbox"/> Yes <input type="checkbox"/> No
City/State _____	Clicking or popping jaw <input type="checkbox"/> Yes <input type="checkbox"/> No	Orthodontic treatment <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of last dental visit _____	Dry mouth <input type="checkbox"/> Yes <input type="checkbox"/> No	Pain around ear <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of last dental X-rays _____	Fingernail biting <input type="checkbox"/> Yes <input type="checkbox"/> No	Periodontal treatment <input type="checkbox"/> Yes <input type="checkbox"/> No
Place a mark on "yes" or "no" to indicate if you have had any of the following:	Food collection between the teeth <input type="checkbox"/> Yes <input type="checkbox"/> No	Sensitivity to cold <input type="checkbox"/> Yes <input type="checkbox"/> No
Bad breath <input type="checkbox"/> Yes <input type="checkbox"/> No	Foreign objects <input type="checkbox"/> Yes <input type="checkbox"/> No	Sensitivity to heat <input type="checkbox"/> Yes <input type="checkbox"/> No
Bleeding gums <input type="checkbox"/> Yes <input type="checkbox"/> No	Grinding teeth <input type="checkbox"/> Yes <input type="checkbox"/> No	Sensitivity to sweets <input type="checkbox"/> Yes <input type="checkbox"/> No
Blisters on lips or mouth <input type="checkbox"/> Yes <input type="checkbox"/> No	Gums swollen or tender <input type="checkbox"/> Yes <input type="checkbox"/> No	Sensitivity when biting <input type="checkbox"/> Yes <input type="checkbox"/> No
Burning sensation on tongue <input type="checkbox"/> Yes <input type="checkbox"/> No	Jaw pain or tiredness <input type="checkbox"/> Yes <input type="checkbox"/> No	Sores or growths in your mouth <input type="checkbox"/> Yes <input type="checkbox"/> No
	Lip or cheek biting <input type="checkbox"/> Yes <input type="checkbox"/> No	How often do you floss? _____
	Loose teeth or broken fillings <input type="checkbox"/> Yes <input type="checkbox"/> No	How often do you brush? _____

5 HEALTH HISTORY

Physician's Name _____ Date of last visit _____

Have you ever used a bisphosphonate medication? Common brand names are Fosamax, Actonel, Atelvia, Didronel, Boniva. Yes No

Have you ever taken any of the group of drugs collectively referred to as "fen-phen?" These include combinations of Ionimin, Adipex, Fastin (brand names of phentermine), Pondimin (fenfluramine) and Redux (dexfenfluramine). Yes No

Place a mark on "yes" or "no" to indicate if you have had any of the following:

- | | | | | | |
|--|--|-----------------------|--|---------------------------------|--|
| AIDS/HIV | <input type="checkbox"/> Yes <input type="checkbox"/> No | Epilepsy | <input type="checkbox"/> Yes <input type="checkbox"/> No | Respiratory Disease | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Anemia | <input type="checkbox"/> Yes <input type="checkbox"/> No | Fainting or dizziness | <input type="checkbox"/> Yes <input type="checkbox"/> No | Rheumatic Fever | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Arthritis, Rheumatism | <input type="checkbox"/> Yes <input type="checkbox"/> No | Glaucoma | <input type="checkbox"/> Yes <input type="checkbox"/> No | Scarlet Fever | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Artificial Heart Valves | <input type="checkbox"/> Yes <input type="checkbox"/> No | Headaches | <input type="checkbox"/> Yes <input type="checkbox"/> No | Shortness of Breath | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Artificial Joints | <input type="checkbox"/> Yes <input type="checkbox"/> No | Heart Murmur | <input type="checkbox"/> Yes <input type="checkbox"/> No | Sinus Trouble | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Asthma | <input type="checkbox"/> Yes <input type="checkbox"/> No | Heart Problems | <input type="checkbox"/> Yes <input type="checkbox"/> No | Skin Rash | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Back Problems | <input type="checkbox"/> Yes <input type="checkbox"/> No | Hepatitis Type _____ | <input type="checkbox"/> Yes <input type="checkbox"/> No | Special Diet | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Bleeding abnormally, with extractions or surgery | <input type="checkbox"/> Yes <input type="checkbox"/> No | Herpes | <input type="checkbox"/> Yes <input type="checkbox"/> No | Stroke | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Blood Disease | <input type="checkbox"/> Yes <input type="checkbox"/> No | High Blood Pressure | <input type="checkbox"/> Yes <input type="checkbox"/> No | Swollen Feet or Ankles | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Cancer | <input type="checkbox"/> Yes <input type="checkbox"/> No | Jaundice | <input type="checkbox"/> Yes <input type="checkbox"/> No | Swollen Neck Glands | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Chemical Dependency | <input type="checkbox"/> Yes <input type="checkbox"/> No | Jaw Pain | <input type="checkbox"/> Yes <input type="checkbox"/> No | Thyroid Problems | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Chemotherapy | <input type="checkbox"/> Yes <input type="checkbox"/> No | Kidney Disease | <input type="checkbox"/> Yes <input type="checkbox"/> No | Tonsillitis | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Circulatory Problems | <input type="checkbox"/> Yes <input type="checkbox"/> No | Liver Disease | <input type="checkbox"/> Yes <input type="checkbox"/> No | Tuberculosis | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Congenital Heart Lesions | <input type="checkbox"/> Yes <input type="checkbox"/> No | Low Blood Pressure | <input type="checkbox"/> Yes <input type="checkbox"/> No | Tumor or growth on head or neck | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Cortisone Treatments | <input type="checkbox"/> Yes <input type="checkbox"/> No | Mitral Valve Prolapse | <input type="checkbox"/> Yes <input type="checkbox"/> No | Ulcer | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Cough, persistent or bloody | <input type="checkbox"/> Yes <input type="checkbox"/> No | Nervous Problems | <input type="checkbox"/> Yes <input type="checkbox"/> No | Venereal Disease | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Diabetes | <input type="checkbox"/> Yes <input type="checkbox"/> No | Pacemaker | <input type="checkbox"/> Yes <input type="checkbox"/> No | Weight Loss, unexplained | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Emphysema | <input type="checkbox"/> Yes <input type="checkbox"/> No | Psychiatric Care | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| | | Radiation Treatment | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |

Do you wear contact lenses? Yes No

Women:

Are you pregnant? Yes No Due date _____

Are you nursing? Yes No

Taking birth control pills? Yes No

MEDICATIONS

List any medications you are currently taking and the correlating diagnosis:

Pharmacy Name _____

Phone (_____) _____

ALLERGIES

- | | |
|--|---|
| <input type="checkbox"/> Aspirin | <input type="checkbox"/> Local Anesthetic |
| <input type="checkbox"/> Barbiturates (Sleeping pills) | <input type="checkbox"/> Penicillin |
| <input type="checkbox"/> Codeine | <input type="checkbox"/> Sulfa |
| <input type="checkbox"/> Iodine | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Latex | _____ |

6 UPDATES (To be filled in at future appointments)

Has there been any change in your health since your last dental appointment? Yes No

For what conditions? _____

Are you taking any new medications? _____ if so, what? _____

Patient's Signature _____ Date _____

Doctor's Signature _____ Date _____

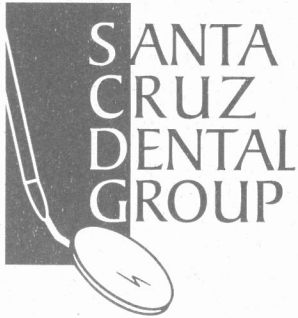
Has there been any change in your health since your last dental appointment? Yes No

For what conditions? _____

Are you taking any new medications? _____ if so, what? _____

Patient's Signature _____ Date _____

Doctor's Signature _____ Date _____



SANTA CRUZ DENTAL GROUP

Consent for Use and Disclosure of Health Information

Patient Giving Consent

Name: _____

Please read the following statements carefully.

Purpose of consent: By signing this form, you will consent to our use and disclosure of your protected health information to carry out treatment, payment activities, and healthcare operations.

Notice of Privacy Practices: You have the right to read our Notice of Privacy Practices before you decide whether to sign this Consent. Our Notice provides a description of our treatment, payment activities, and healthcare operations, of the uses and disclosures we may make of your protected health information, and of other important matters about your protected health information.

We reserve the right to change our privacy practices as described in our Notice of Privacy Practices. If we change our privacy practices, we will issue a revised Notice of Privacy Practices, which will contain the changes. Those changes may apply to any of your protected health information that we may maintain.

You may obtain a copy of our Notice of Privacy Practices, including any revisions of our Notice, at any time by contacting: Santa Cruz Dental Group via phone at 831.426.3535 or by mail 1017 Mission Street, Santa Cruz, CA 95060.

Right to Revoke: You will have the right to revoke this Consent at any time by giving us written notice of your revocation submitted to the address above. Please understand that revocation of this Consent will *not* affect any action we took in reliance on this Consent before we received your revocation, and that we may decline to treat you or to continue treating you if you revoke this Consent.

Signature: I acknowledge that I have had full opportunity to read and consider the contents of this Consent form and your Notice of Privacy Practices. I understand that, by signing this Consent form, I am giving my consent to your use and disclosure of my protected health information to carry out any treatment, payment activities and healthcare operations.

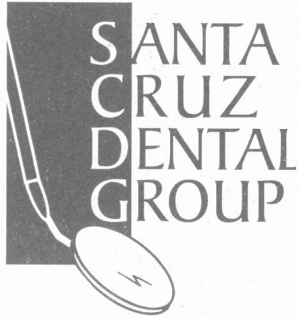
Signature: _____ **Date:** _____

If this consent is signed by a personal representative on behalf of the patient, complete the following:

Personal Representative's Name: _____

Relationship to Patient: _____

YOU ARE ENTITLED TO A COPY OF THIS CONSENT AFTER SIGNING



To Our New Patients,

In order to assure an optimum care provider-patient relationship, we ask our patients to help us with the following:

Santa Cruz Dental Group (SCDG) will bill your dental insurance, as a courtesy, we will make every attempt to collect payment from your insurance company. We are happy to provide an out of pocket ESTIMATE for any treatments to be rendered. Please remember that this is just an Estimate of what your insurance may pay. **If your insurance company does not cover the estimated amount you as the patient are responsible for any outstanding amount.**

If you cancel or change your appointment with less than a full 24 hour notice you may be charged a \$100 cancelation fee. In the event you arrive more than 15 minutes late, SCDG may cancel the appointment and charge a cancelation fee.

Santa Cruz Dental Group patients usually prefer to communicate electronically whenever possible. Therefore SCDG does everything to protect our patients' privacy, however electronic communications are not 100% secure. So you can withdraw your consent at any time.

Please sign below stating you understand the cancelation policy and that you agree to electronic communications by either providing your cell phone number and/or email with a star next to your preferred communication method.

Patient Signature: _____ Date: _____

Cell Phone: _____ Email: _____

I give permission for my dental records to be shared with:

Name: _____ Name: _____

Name: _____ Name: _____

Patient Signature: _____ Date: _____

SANTA CRUZ DENTAL GROUP

NOTICE OF PRIVACY PRACTICES

THIS NOTICE DESCRIBES HOW HEALTH INFORMATION ABOUT YOU 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

We are required by applicable federal and state law to maintain the privacy of your health information. We are also required to give you this Notice about our privacy practices, our legal duties, and your rights concerning your health information. We must follow the privacy practices that are described in this Notice while it is in effect. This Notice takes effect (MM/DD/YR), 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 the 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.

You may request a copy of our Notice at any time. For more information about our privacy practices, or for additional copies of this Notice, please contact us using the information listed at the end of this Notice.

USES AND DISCLOSURES OF HEALTH INFORMATION

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

Treatment: We may use or disclose your health information to a physician or other healthcare provider providing treatment to you.

Payment: We may use and disclose your health information to obtain payment for services we provide to you.

Healthcare Operations: We may use and disclose your health information in connection with our healthcare operations. Healthcare operations include quality assessment and improvement activities, reviewing the competence or qualifications of healthcare 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 healthcare 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 was 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. We may disclose your health information to a family member, friend or other person to the extent necessary to help with your healthcare or with payment for your healthcare, but only if you agree that we may do so.

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 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 healthcare. 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 will not use your health information for marketing communications without your written authorization.

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

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 institution or law enforcement official having lawful custody of protected health information of inmate or patient under certain circumstances.

Appointment Reminders: We may use or disclose your health information to provide you with appointment reminders (such as voicemail messages, postcards, or letters).

SANTA CRUZ DENTAL GROUP

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 using the contact information listed at the end of this Notice. 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 to the address at the end of this Notice. If you request copies, we will charge you \$0.15 for each page, \$25.00 per hour for staff time to locate and copy your health information, and postage if you want the copies mailed to you. If you request an alternative 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 using the information listed at the end of this Notice for a full explanation of our fee structure.)

Disclosure Accounting: You have the right to receive a list of instances in which we or our business associates disclosed your health information for purposes, other than treatment, payment, healthcare operations and certain other activities, for the last 6 years, but not before April 14, 2003. 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 an emergency).

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 how payments will be handled under the alternative means or location you request.

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.

Electronic Notice: If you receive this Notice on our Web site or by electronic mail (e-mail), you are entitled to receive this Notice in written form.

QUESTIONS AND COMPLAINTS

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

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 complain to us using the contact information listed at the end of this Notice. You also may submit a written complaint to the U.S. Department of Health and Human Services. We will provide you with the address to file your complaint with the U.S. Department of Health and Human Services upon request.

We support your right to the privacy of your health information. We will not retaliate in any way if you choose to file a complaint with us or with the U.S. Department of Health and Human Services.

Contact Officer: SANTA CRUZ DENTAL GROUP
Telephone: 831-426-3535 Fax: 831-454-0330
Address: 1017 Mission St, Santa Cruz, Ca 95060

THE FACTS ABOUT FILLINGS

Dental Materials Fact Sheet

What About the Safety of Fillings 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 Professional Code 1648.10-1648.20

Allergic Reaction 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 material 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.

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 (43-57%) and an alloy powder (46-57%) composed mainly of silver, tin, and copper. This has caused discussions 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 amalgams is compromised. The Food and Drug Administration (FDA) and other public health organizations have investigated the safety of amalgam used in dental fillings. The conclusions: 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 amalgam. Questions have been raised about its safety in pregnant women, children, and diabetics. However scientific evidence and research literature in peer-reviewed 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 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 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 teeth
- 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.

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

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
- ◆ Minimum 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 | Disadvantages |
|---|---|
| <ul style="list-style-type: none"> ◆ 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 ◆ Maybe 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 | <ul style="list-style-type: none"> ➤ Cost is very similar to composite resin (which cost more than amalgam) ➤ Limited use because it is not recommended for biting surfaces in permanent teeth ➤ Wears faster than composite and amalgam |

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 for inlays, veneers, crowns and fixed bridges.

- | Advantages | Disadvantages |
|---|--|
| <ul style="list-style-type: none"> ◆ 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 ◆ Good resistance to further decay if 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 | <ul style="list-style-type: none"> ➤ 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, fixed bridges and partial denture frameworks.

- | Advantages | Disadvantages |
|---|---|
| <ul style="list-style-type: none"> ◆ 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 | <ul style="list-style-type: none"> ➤ Is not tooth colored; alloy is a dark silver 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 |

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 | Disadvantages |
|---|--|
| <ul style="list-style-type: none"> ◆ 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 | <ul style="list-style-type: none"> ➤ More tooth needs to be removed (than for porcelain) for the metal substructure ➤ Higher cost because it requires at least two office visits |

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 | Disadvantages |
|---|---|
| <ul style="list-style-type: none"> ◆ 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 | <ul style="list-style-type: none"> ➤ 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 |

The durability of any dental restoration is influenced by not only 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, diet and chewing habits.