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| **Name:** |
| Abigail Yurs |
| **Group:** |
| 6B-4 |
| **Basic Science Question:** |
| What is osseointegration? |
| **Report:** |
| When considering the usage of dental implants, osseointegration must be understood and obtained. In order for there to be stability within an artificial tooth attached to an implant, the implant must fully adhere to the bone tissue which surrounds it. This process and the completion of said adherence is known as osseointegration, and takes approximately 2-6 months. Without full contact and adhesion of the bone tissue to the implant, the implant would lack structural integrity. This could cause issues with the functional purpose of the artificial tooth and implant, as well as potentially cause damage to the hard and soft tissues.  Risk factors that can increase the chance of failure of osseointegration include smoking, taking certain medications, and diabetes. Although uncommon, failure of osseointegration can occur and is typically seen when there isn’t enough bone mass. |
| **References:** |
| Hervas, M. (2019, March 11). What Is Osseointegration? Retrieved October 07, 2020, from https://implantationdentalcenter.com/2019/03/11/what-is-osseointegration/ |