“Autoimmune Diseases and Metal Implants and Devices” article by Just and Kall:
1. Metal-induced inflammation has been associated with _________.
   A. Autoimmune diseases
   B. Allergies
   C. Fatigue, muscle and joint pain
   D. A&B only
   E. All of the above

“Autoimmune Diseases and Metal Implants and Devices” article by Just and Kall:
2. Genetics plays a role in each person’s unique response to metal exposure.
   A. True
   B. False

“Autoimmune Diseases and Metal Implants and Devices” article by Just and Kall:
3. According to research presented in this article, the release of metal ions from metal implants and devices can occur due to _________.
   A. mechanical wear and contact with biological fluids such as blood, sweat, and saliva
   B. electrical currents in a phenomenon known as galvanism
   C. rapid changes in weather
   D. A & B only
   E. None of the above

“Autoimmune Diseases and Metal Implants and Devices” article by Just and Kall:
4. Studies and allergy test results have repeatedly identified _________ as the most common sensitizer.
   A. Mercury
   B. Copper
   C. Nickel
   D. Titanium
   E. None of the above
5. Recent studies tend to agree that metal allergies are __________.
   A. Not diagnosable given the current tests
   B. Decreasing
   C. Staying the same
   D. Increasing

6. Sensitization to metal almost always occurs within days of exposure to the offending metal.
   A. True
   B. False

7. __________ testing can be used to identify susceptibility to adverse reactions to dental metals.
   A. Patch testing
   B. MELISA and/or ELISA testing
   C. Testing from Biocomp Laboratories and/or Clifford Consulting Research
   D. A & B only
   E. All of the above

8. Most studies and cases in scientific literature of individuals improving or recovering from autoimmune diseases usually occur within __________ after removal of the offending metal.
   A. An hour or two
   B. A day or two
   C. A year or two
   D. None of the above

9. Other than safe removal of metal implants and devices, Dr. Stejskal has noted that factors such as __________ can influence a person’s ability to improve or recover from adverse health conditions linked to their allergies and hypersensitivities.
   A. Diet and lifestyle
   B. *Heliobacter pylori*, stress, and other allergens/exposures
   C. Degree of reported psychosomatic tendencies
   D. A & B only
   E. All of the above
10. Even though it may cause them to overlook biocompatibility, a poll showed that most dentists consider __________ as their most important criterion in choosing restorative materials.
   A. patient preference
   B. durability
   C. color coordination
   D. cost of materials

11. Some metals used in dentistry and medicine have no established function in the human body, including __________.
   A. aluminum, gold, silver, and mercury
   B. nickel, palladium, platinum, and titanium
   C. zinc, iron, and manganese
   D. A & B only
   E. all of the above

12. Researchers have established that chronic exposure to low doses of metals can elicit autoimmunity in genetically susceptible humans.
   A. True
   B. False

13. Some health conditions linked to dental metal allergies include __________.
   A. oral lichenoid lesions and metallic pigmentation
   B. autoimmune dysfunction, including chronic fatigue syndrome and multiple sclerosis
   C. infertility and intraoral squamous cell carcinoma, a type of cancer
   D. A & B only
   E. All of the above

14. Metals can only cause adverse health effects when they touch each other and are located in the same part of the body.
   A. True
   B. False
“Diagnosis and Treatment of Metal-induced Side-effects” study by Stejskal, Hudecek, Stejskal, and Sterzl:
15. According to the 2006 Stejskal study, __________ released from dental restorations or from other body implants might trigger inflammation in susceptible subjects.
   A. bacteria
   B. electromagnetic fields
   C. pieces of tooth
   D. metal ions
   E. none of the above

“Diagnosis and Treatment of Metal-induced Side-effects” study by Stejskal, Hudecek, Stejskal, and Sterzl:
16. In this study, RID resulted in long-term health improvement in the majority of patients. RID refers to ____________.
   A. Removal of Implants that are Dental
   B. Removal of Incompatible Dental Material
   C. Renewal of Implant Dentistry
   D. None of the above

“Diagnosis and Treatment of Metal-induced Side-effects” study by Stejskal, Hudecek, Stejskal, and Sterzl:
17. Metals are only one of several agents which may trigger chronic inflammation and autoimmune diseases. Microbial and viral agents can also trigger inflammatory processes.
   A. True
   B. False

“Diagnosis and Treatment of Metal-induced Side-effects” study by Stejskal, Hudecek, Stejskal, and Sterzl:
18. The authors identify __________ as “the promise of one of the future’s immuno-compatible implant materials.”
   A. Ceramics
   B. Composites
   C. Zirconia
   D. A & B only
   E. All of the above

“Metal alloys in the oral cavity as a cause of oral discomfort in sensitive patients” article by Procházková et al.
19. In this study, __________ was conducted.
   A. Measurement of galvanic currents were measured
   B. Measurement of metallic elements in saliva
   C. Removal of the causative alloys and replacement with non-metallic restorations
   D. A & B only
   E. All of the above
20. The researchers found that patients with metal restorations had __________.
   A. more issues with dieting and exercising
   B. no measurable galvanic currents whatsoever, and also no adverse health effects
   C. significantly higher contents of mercury and other metals in the saliva than patients without metallic restorations
   D. none of the above

21. When the metal restorations were removed, the researchers observed __________ in the patients.
   A. contents of metals in saliva decreased
   B. galvanic currents decreased
   C. nothing changed
   D. A & B only
   E. None of the above

22. The researchers conclude that galvanic effects as well as metal particles may induce a series of local or systemic pathological phenomena in sensitive individuals.
   A. True
   B. False

23. The researchers also conclude that the occurrence of pathologically acting galvanic effects is influenced by __________.
   A. the composition of different dental alloys
   B. the combination of different dental alloys
   C. the quality of materials used and processing
   D. A & B only
   E. All of the above

24. The researchers conclude that exposure of patients with amalgam restorations to radiofrequency radiation emitted from conventional Wi-Fi devices can increase mercury release from amalgam restorations.
   A. True
   B. False
“Effect of radiofrequency radiation from Wi-Fi devices on mercury release from amalgam restorations” article by Paknahad et al.

25. Other studies have examined mercury release or amalgam microleakage after exposure to electromagnetic fields from this radiation source.
   A. Mobile phone
   B. MRI
   C. X-ray
   D. A & B only
   E. All of the above

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