

# **RADIOCONTRAST MEDIA (RCM) are agents that radiologists use to see tissues and organs clearly in imaging studies**



**The INCIDENCE of adverse events from  
RCM can range from 0.2 - 15%.**

**Hypersensitivity reactions can be  
immediate (less than an hour) or  
delayed (up to 7 days after  
administration).**



**SIGNS & SYMPTOMS can range from mild  
to severe, which include but not limited to  
rash, itchiness, flu-like symptoms,  
vomiting, dizziness, headache, hypo  
or hypertension, bronchospasm,  
seizures & syncope.**



**RISK FACTORS include previous  
reaction to RCM, those with multiple  
severe allergies, bronchial asthma,  
allergic rhinitis, diabetes mellitus, renal  
insufficiency, cardiac disease,  
myasthenia gravis and thyroid  
problems.**

**For clarifications and  
assessment, you can find  
a board certified  
allergist at  
[www.psaai.org](http://www.psaai.org)**



#### **References:**

1. Macy E. M. (2018). Current Epidemiology and Management of Radiocontrast-Associated Acute- and Delayed-Onset Hypersensitivity: A Review of the Literature. The Permanente Journal, 22, 17-072. <https://doi.org/10.7812/TPP/17-072>
2. Bonafant, M. O., Arch, M., & Myer, A. (2010). Allergic-type reactions to radiographic contrast media. CMAJ : Canadian Medical Association journal = journal de l'Association medicale canadienne, 182(12), 1328. <https://doi.org/10.1503/cmaj.090371>
3. Cho, M. J., Kang, D. Y., Lee, W., Yoon, S. H., Choi, Y. H., Byun, J. S., Lee, J., Kim, Y. H., Choo, K. S., Cho, B. S., Jeon, K. N., Jung, J. W., & Kang, H. R. (2019). Hypersensitivity Reactions to Iodinated Contrast Media: A Multicenter Study of 196 081 Patients. Radiology, 293(1), 117-124. <https://doi.org/10.1148/radiol.2019190485>