

## **SAMPLE ABSTRACT SUBMISSION**

*This example is 249 words excluding subtitles and authors. In this particular example the target was chosen as 90%. The first cycle results are presented as well as the action plan. Some submissions may also include second cycle results.*

### **Title**

Use of Gonad Shielding in Pediatric Pelvis Radiography.

### **Authors**

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### **Location**

University hospital site

### **Background/Aim**

AP pelvis radiographs include some of the most radiation sensitive organs in the body. The pediatric population is especially sensitive to radiation exposure. Most institutions agree that gonad shielding should be used in all pediatric AP pelvis studies, excluding the first image in trauma cases. Appropriate use of gonad shielding will dramatically reduce exposure to the reproductive organs without significant loss of diagnostic information.

The aim is to assess the current use of gonad shielding during pediatric AP pelvis radiographs.

### **Target**

The standard should be achieved in 90% of cases.

### **Methods**

After consultation with technologists performing the images, as part of this quality project, we reviewed 100 consecutive AP pelvis radiographs. Trauma studies were excluded. Each image was assessed to determine the presence or absence of gonad shielding, shield size and appropriate placement.

### **Results**

Shielding was used in 69/100 cases (35/44 for males and 34/56 for females). Adequate coverage was achieved in 10/100 cases (6 males, 4 females). The most common error in male patients was shielding placed too low. The most common error for female patients was shielding that was too small to provide adequate coverage. The target was not achieved.

### **Interventions/ Action Plan**

Results were discussed during an interdepartmental Grand Rounds presentation. A written departmental protocol will be revised and distributed and in house education given on appropriate shield size and placement.

### **Discussion**

A re-audit will assess compliance and progress. We will present possible factors leading to the target not being met and results of re-audit.