As for why radiologists may order extra scans, coauthor Dr. J. Louis Hinshaw, also with the UW-Madison, said it may be that radiologists simply have the ability and tools available to perform the tests. Also, protocols are set up on CT scanners beforehand and are often designed to answer "what if" scenarios, in which additional views may be needed. "There is some risk-aversion that comes into play," he said at the briefing.

Of the 500 patients, 7% had findings that would not have been identified without the extra scans, but most of these were not clinically relevant, Dr. Hinshaw said.

The Radiological Society of North America has partnered with the Ameri-

can College of Radiology to create a task force on adult radiation protection to increase awareness of cumulative dose and radiation risks.

Both researchers stressed that CT is a valuable diagnos-

tic tool and that the study findings should not impede use of the technology.

Press briefing moderator Dr. Robert Zimmerman, professor of radiology at

'At the doses seen in our study, 1 in 1,000 patients could get a radiation-induced cancer.'

DR. GUITE

Weill Cornell Medical College in New York, concurred. He suggested that patients investigate the radiation protocol at their institution and ask their physicians what steps are be-

ing taken to minimize radiation dose.

We don't want to damage patients,

but we know we have the technology that is very useful in saving people's lives," Dr. Zimmerman said. "We are trying to balance the two."

In the current study, patients with a malignancy were 22% more likely to receive excess radiation, Dr. Guite said.

Delayed-phase imaging, performed after a contrast agent has accumulated in the kidneys/bladder, accounted for 77% of the unnecessary scans.

There was no study sponsorship, but one coauthor disclosed being a stock holder with NeuWave Medical Inc. and a patent holder with Covidien AG.

values than many full-term neonates and older infants. Therefore, these pre-term neonates should be interested with a dosing regimen of 10 mg/s q r2h. Consideration inlined responses and late that the dosing regimen of 10 mg/s q r2h. Consideration inlined responses. All neonatal patients should receive 10 mg/s q g1h. Consideration inlined response. All neonatal patients should receive 10 mg/s q g1h. Consideration inlined responses. All neonatal patients should receive 10 mg/s q g1h. Consideration inlined responses and the patients with infections due to Gram-oscitive patients with infections due to Gram-oscitive patients with infections due to Gram-oscitive patients with infections and the underlying medical condition should be considered with adults. In pediatric patients with a sub-optimal clinical response, particularly those with patienges with milk Cof 4 µg/mt. Incread with a sub-optimal clinical response, or older and 25s (12h) were 75 years or older. No overal differences in safety or effectiveness were observed between these patients and younger patients. ADVERSE DEACHONS Adult Patients The selective 10 mg/s of the sub-optimal clinical response. Particularly those with the sub-optimal clinical response, particularly the sub-optimal clinical response. Particularly the sub-optimal clinical response of older and 25s (12sh) were 75 years or older. No overal differences in safety or effectiveness were observed between these patients and younger patients with water trade with 27VOX were described as mild to moderate in intensity. The incidence (%) of adverse events reported in at less 23.% of patients traded with the 7VOX were described as mild to moderate in intensity. The incidence (%) of adverse events reported in a tissal 23.% of patients traded with 27VOX were described. The patients were districted and the patients of the patients of the patients and patients were districted and the patients and patients and patients and patients and patients. The patients are patients and patients are districted and pa

identified in Phase 3 clinical trials in patients developing thrombocytopenia. Bleeding events were identified in thrombocytopenic patients in a compassionate use program for ZYVOX. the role of linezolid in these events cannot be determined Issee WARRINGSI. Changes seen in other laboratory parameters; without regard to drug relationship, revealed no substantial differences between ZYVOX and the comparators. These changes were generally not clinically significant, did not lead to discontinuation of therapy, and were reversible. The percent of adult patients with at least one substantially abnormal hematologic" value in patients treated with ZYVOX 400 mg q12 no clarithromycin 250 mg q12h for uncomplicated skin and skin structure infections were as follows: hemoglobin (g/dL) 0.9 and 0.0; platelet count (x 10º/mm²) 0.7 and 0.8; wCC x 10º/mm²) 0.2 and 0.6; neutrophils (x 10º/mm²) 0.0 and 0.2 respectively. The percent of adult patients with at least one substantially abnormal hematologic" value in patients treated with ZYVOX 600 mg q12h or a comparator' were as follows: hemoglobin (g/dL) 1.1 and 6.6; platelet count (x 10º/mm²) 3.0 and 1.8; wBC (x 10º/mm²) 2.2 and 1.3 and neutrophils (x 10º/mm²) 1.1 and 1.2 respectively. The percent of adult patients with at least one substantially abnormal serum chemistry." value in patients treated with ZYVOX 600 mg q12h or clarithromycin 250 mg q12h for uncomplicated skin and skin structure infections were as follows: AST (U/L) 1.7 and 1.3; ALT (U/L) 1.7 and 1.7; LDH (U/L) 2.2 and 0.2; alkaline phosphatase (U/L) 0.2 and 0.0; Bysee (U/L) 2.3 and 2.6; amylase (U/L) 2.3 and 0.0; respectively. The percent of adult patients with at least one substantially abnormal serum chemistry" value in patients treated with ZYVOX 600 mg q12h or a comparator' were as follows: AST (U/L) 1.5 and 6.8; ALT (U/L) 1.6 and 6.8; and 2.6; amylase (U/L) 2.4 and 0.0; catal bilirubin (mg/dL) 0.2 and 0.0; Bysee (U/L) 2.3 and 2.6; amylase (U/L) 2.4 and 0.0; catal bilirubin (mg/dL) 0.4 and 0.4; McC (x 10º/mm²) 0.0; identified in Phase 3 clinical trials in patients developing thrombocytopenia. Bleeding Clinical signs of acute toxicity in animals were decreased activity and ataxia in rats and vomiting and tremors in dogs treated with 3000 mg/kg/day and 2000 mg/kg/day

Clinical signs or actute toxicity in animals were decreased activity and ataxia in rats and vomiting and tremors in dogs treated with 3000 mg/kg/day and 2000 mg/kg/day, respectively.

\*MDRSP refers to isolates resistant to 2 or more of the following antibiotics: penicillin, second-generation cephalosporins, macrolides, tetracycline, and trimethoprim/sulfamethoxazole.

\*Comparators included cefpodoxime proxetil 200 mg PO q12h; ceftriaxone 1 g IV q12h; clarithromycin 250 mg PO q12h; dicloxacillin 500 mg PO q6h; oxacillin 2 g IV q6h; vancomycin 1 g IV q12h.

\*The most commonly reported drug-related adverse events leading to discontinuation in patients treated with ZYVOX were nausea, headache, diarrhea, and vomiting.

\*Comparators included cefpodoxime proxetil 200 mg PO q12h; ceftriaxone 1 g IV q12h; dicloxacillin 500 mg PO q6h; oxacillin 2 g IV q6h; vancomycin 1 g IV q12h; dicloxacillin 500 mg PO q6h; oxacillin 2 g IV q6h; vancomycin 1 g IV q12h; or cefadroxil 15 mg/kg PO q12h. Patients 12 years or older received ZYVOX 600 mg PO q12h or cefadroxil 500 mg PO q12h.

\*Patients from birth through 11 years of age received ZYVOX 10 mg/kg IV/PO q8h or vancomycin 10 to 15 mg/kg IV q6-24h, depending on age and renal clearance.

\*These reports were of 'red-man syndrome,' which were coded as anaphylaxis.

\*\*A75% (<50% for neutrophils) of Lower Limit of Normal LLLN) for values normal at baseline.

at Daseline; <75% (<50% for fleeti opinis) of LER and of Sassine 52 x ULN and >2 x baseline for values abnormal at baseline.

\*22 x Upper Limit of Normal (ULN) for values normal at baseline; >2 x ULN and >2 x baseline for values abnormal at baseline.

\*275% (<50% for neutrophils) of Lower Limit of Normal (LLN) for values normal at baseline; <75% (<50% for neutrophils) of LLN and <75% (<50% for neutrophils, <90% for hemoglobin if baseline <LLN) of baseline for values abnormal at baseline.

\*2 x Upper Limit of Normal (ULN) for values normal at baseline; >2 x ULN and >2 (>1.5 for total billirubin) x baseline for values abnormal at baseline.

\*\*Rev. May 2008

Harm Sensitivity NEW ORLEANS — Abdominal computed tomography limited to the region of tenderness accurately delineates acute pathology while reducing radiation exposure, according to a double-blind study.

Restricted CT

Scans Did Not

A standard abdominal CT scan covers an area from above the diaphragm to the mid-thigh. But in the study, limiting the scan to the tender area cut radiation exposure by a mean of 69% while preserving 96% sensitivity, Dr. Joshua Broder said at the annual meeting of the Society for Academic Emergency Medicine.

The 93 patients in the single-center study underwent standard abdominal CT after presenting to the emergency department with nontraumatic abdominal tenderness. Before imaging, emergency physicians placed skin markers to delineate the cephalocaudad extent of tenderness. Then they added coded meaningless markers so radiologists would remain blinded to the region of tenderness, said Dr. Broder of Duke University Medical Center, Durham, N.C.

Of the 93 patients, 51 ultimately were found to have abdominal pathology, most commonly acute appendicitis. In onethird of cases, the pathology identified by radiologists was completely contained in the area highlighted by the skin markers of abdominal tenderness; in another 51%, the pathology was partially located in the marked zone and would have been readily detected by a scan limited to the region of abdominal tenderness.

Although in 16% of cases, the pathology wasn't even partially in the skin marker zone, in most of those instances it was doubtful that the pathology actually caused the abdominal pain. The rate of clinically relevant false-negative abdominal CT scans limited to the area of pain and tenderness was only 4%.

Dr. Broder and his associates also tested intermediately restricted CT, in which the entire abdomen and pelvis below the most cephalad skin marker of tenderness was scanned. This reduced radiation exposure by 38% and increased test sensitivity to 98%.

Based on the encouraging results in a nonconsecutive series, Dr. Broder plans to perform a larger, double-blind study in a consecutive series of similar patients.

