Radiology SHORTAGE for a New Radiology Model in Scotland Underscores Need

need for a big-picture solution they say is necessary to gap in the workforce, Scottish radiology leaders are stressing the While Scotland continues to search for radiologists to fill the deepening

solve the problem long-term.

is currently worsening. reported that the shortage in Scotland the Royal College of Radiologists (RCR) is well recognized and documented and

to be producing more radiologists," said Scottish Committee of the Royal College underway, but the long-term strategy has Grant Baxter, MD, chair of the Standing "There are short-term solutions

of Radiologists (RCR). radiology leaders believe there is a need In fact, Dr. Baxter and other Scottish

retirements planned in coming years each year - not only to fill current shortages but to address the wave of ing the number of radiology trainces that would include significantly increas to create a whole new radiology model The National Health Service (NHS) is

technology (IT) to reach more patients NHS is also investing in information Canada, western Europe and Australia radiology applicants in India, the U.S. fronts. In February 2018, NHS launched global outreach recruitment for And in 2017, NHS unveiled plans

addressing the shortage on a number of

ulation of 5.4 million. But Dr. Baxter training in Scotland, which has a popfull or part-time and 115 radiologists in five years beginning in 2018. As of 2016 to invest 4 million pounds in radiology were just over 300 radiologists working 10 radiology training posts each year for and increase the number of specialist programs to improve patient services The NHS plans to fund an additional radiology training places in Scotland.

continues to increase, and now stands at said the number of radiology trainees

ing in Scotland since 2009. that Scotland is a good place to practice will not be a difficult sell, said Edwin clinical radiology, Edinburgh Imaging, Van Beek, MD, PhD, SINAPSE chair of The Netherlands who has been practic-University of Edinburgh, and a native of Hopefully, convincing radiologists

Scotland linked to clinical data, many are available nationally. With the introa full national PACS and images that which includes all images from around duction of a Safe Haven environment, bilities in Scotland are immense with radiology is well supported. The capa-Beek said. "And the academic side of

which has conducted a census for the factor in the radiology shortage not only in Scotland, but the entire U.K., radioling to a 2016 census report by RCR, radiologists per 100,000 people, accord while the European average is 12 ogy leaders say. The U.K. has only seven radiologists per 100,000 population, ment-funded radiology positions is a key In fact, that need for more govern-

needs to double, Dr. Baxter said. an increase in demand that runs 11-13 were added in Scotland. That number 2016, 26 radiology training positions percent per year, Dr. Baxter said. In about 1 percent each year, compared to over the last five years has increased by where the number of radiologists trained Those numbers hold true in Scotland

a tsunami of retirements coming in the ically under-filled, and we will be seeing "About one in six of our jobs is chron

RSHA Hews

opportunities exist for big data research. "I'm very happy where I am," Dr. Van

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nationally, Many that are available PACS and images with a full national Scotland are immense The capabilities in

Radiology in Scotland — By the Numbers

increased by only







Radiology Shortage Impacts the United Kingdom











of 31 European countries; the European average is 12.7 per 100,000

Royal College of Radiologists (RCR) 2016 workforce census report, the most recent data available from RCR



ing of plain films." see delays of several weeks in the reportstruggle the most. It is not uncommon to

optimal use of resources.

Between April 1, 2014, and March 31

outsourcing radiology services is not an

with about one million people.

their daily imaging workload, with some Scotland are unable to keep up with statement, nine of out 10 hospitals in in fact, according to that 2016 RCR

not seen a significant increase in training

Other factors have bnhy7u6contrib-

in Scotland and the U.K., so we have of under-investment in radiology training

ing (which included payments made to

people. But we have seen a long period radiology posts, we could appoint more "And if we had more money and more who are appointable," Dr. Baxter said. ple for that one post, so we have about

a five-to-one application ratio for people training post we will turn down four peo is more than enough interest by aspiring

The irony, said Dr. Baxter, is that there

clear a number of significant challenges lie 'So, when you tie this all together, it is

being expanded to reach more of the

radiologists to fill these vacant posts.

"When we advertise for a radiology

some of these issues." a hospital in the north, east or west and in the south of Scotland can report from country, but we can't report them. We that in some way will help surmount connection will improve so that someone Dr. Baxter said. "Hopefully, by 2019 our can do that in our own small regions, we can see scans from anywhere in the "We have a national system where

EDWIN VAN BEEK, MD, PHD said. In those areas, IT capabilities are direct impact on patients, Dr. Van Beek

reporting of imaging exams, which has a hospitals are struggling to keep up with In more rural areas of Scotland, smaller

maging has detrimentally impacted plain the increased need for cross-sectional the same day," Dr. Van Beek said. "But if it is urgent, it is usually done within imaging within a week if it isn't urgent; involving cross-sectional imaging.

ing has not been met by an appropriate increase in radiologist numbers," he said.

the imaging exams. So, demand for imag

especially struggling in terms of workload

"We try to report all cross-sectional

In particular, Scottish radiology is

the entire workforce.

radiology consultants, or 21 percent of the combined salaries of 60 full-time

are increasing; it is also the complexity of years. "And it's not just the numbers that tor radiology services in the last 10–15 said, including the increasing demands uted to the shortage as well, Dr. Baxter

Teleradiology Use on the Rise

population.
"What has happened is that there has the RCR Standing Scottish Committee covering a region of southeastern Scotlane we have teleradiology services essentially ities," Dr. Van Beek said. "In Edinburgh, But, according to the 2016 report by Van Beek



improvements in technology will likely aid the situation in the near-term, Dr. patients experiencing reporting delays of a nonth or more. While long-term fixes are in the works,

of the report pointed out that the money

spent on outsourcing was equivalent to tracted to their departments). The authors payments to radiologists already conteleradiology companies, as well as extra spent 5.25 million pounds on outsoure-2015, Scottish radiology departments

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