



# Vueway®

## (gadopiclenol) injection

### HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use Vueway® safely and effectively. See full prescribing information for Vueway.

Vueway® (gadopiclenol) injection, for intravenous use

Initial U.S. Approval: 2022

#### WARNING: RISK ASSOCIATED WITH INTRATHECAL USE AND NEPHROGENIC SYSTEMIC FIBROSIS

See full prescribing information for complete boxed warning

• Intrathecal administration of gadolinium-based contrast agents (GBCAs) can cause serious adverse reactions including death, coma, encephalopathy, and seizures. Vueway is not approved for intrathecal use. (5.1)

• GBCAs increase the risk for nephrogenic systemic fibrosis (NSF) among patients with impaired elimination of the drugs. Avoid use of Vueway in these patients unless the diagnostic information is essential and not available with non-contrasted MRI or other modalities. The risk for NSF appears highest among patients with:

- Chronic, severe kidney disease (GFR <30 mL/min/1.73 m<sup>2</sup>), or
- Acute kidney injury.

Screen patients for acute kidney injury and other conditions that may reduce renal function. For patients at risk for chronically reduced renal function (for example, age >60 years, hypertension or diabetes), estimate the glomerular filtration rate (GFR) through laboratory testing. (5.2)

#### RECENT MAJOR CHANGES

Dosage and Administration

Directions for Use of Imaging Bulk Package (2.5)

11/2025

#### INDICATIONS AND USAGE

Vueway is a gadolinium-based contrast agent indicated in adult and pediatric patients aged 2 years and older for use with magnetic resonance imaging (MRI) to detect and visualize lesions with abnormal vascularity in:

- the central nervous system (brain, spine, and associated tissues),
- the body (head and neck, thorax, abdomen, pelvis, and musculoskeletal system). (1)

Revised: 12/2025

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#### WARNING: RISK ASSOCIATED WITH INTRATHECAL USE AND NEPHROGENIC SYSTEMIC FIBROSIS

##### Risk Associated with Intrathecal Use

Intrathecal administration of gadolinium-based contrast agents (GBCAs) can cause serious adverse reactions including death, coma, encephalopathy, and seizures.

Vueway is not approved for intrathecal use [see Warnings and Precautions (5.1)]

##### Nephrogenic Systemic Fibrosis

GBCAs increase the risk for nephrogenic systemic fibrosis (NSF) among patients with impaired elimination of the drugs. Avoid use of Vueway in these patients unless the diagnostic information is essential and not available with non-contrasted MRI or other modalities. NSF may result in fatal or debilitating fibrosis affecting the skin, muscle and internal organs.

The risk for NSF appears highest among patients with:

- Chronic, severe kidney disease (GFR < 30 mL/min/1.73 m<sup>2</sup>), or
- Acute kidney injury.

Screen patients for acute kidney injury and other conditions that may reduce renal function.

For patients at risk for chronically reduced renal function (e.g. age > 60 years, hypertension, diabetes), estimate the glomerular filtration rate (GFR) through laboratory testing.

For patients at highest risk for NSF, do not exceed the recommended Vueway dose and allow a sufficient period of time for elimination of the drug from the body prior to any re-administration [see Warnings and Precautions (5.2)].

#### 1 INDICATIONS AND USAGE

Vueway is indicated in adult and pediatric patients aged 2 years and older for use with magnetic resonance imaging (MRI) to detect and visualize lesions with abnormal vascularity in:

- the central nervous system (brain, spine, and associated tissues),
- the body (head and neck, thorax, abdomen, pelvis, and musculoskeletal system).

#### 2 DOSAGE AND ADMINISTRATION

##### 2.1 Recommended Dosage

The recommended dose of Vueway for adult and pediatric patients aged 2 years and older is 0.05 mmol/kg actual body weight (equivalent to 0.1 mL/kg) administered intravenously at approximately 2 mL/sec.

##### 2.2 Administration and Imaging Instructions

• Use aseptic technique for all handling and administration of Vueway.

• Visually inspect Vueway for particulate matter and discoloration prior to administration.

• Do not use the solution if any particulate matter is present or the solution is discolored.

• Do not mix with other medications because of the potential for chemical incompatibility.

• Prime intravenous line before use.

• Administer Vueway as an intravenous bolus injection, manually or by compatible power injector. The recommended injection rate is approximately 2 mL/second.

• Flush the intravenous line with 0.9% Sodium Chloride Injection, USP after the administration of Vueway.

• Contrast MRI can begin immediately following the injection of Vueway.

##### 2.3 Directions for Use of Single-Dose Vial and Pre-filled Syringe

##### Vial

• Do not pierce the rubber stopper more than once.

• Aseptically draw up Vueway into a disposable syringe and use immediately.

• If solidification occurs in the vial because of exposure to the cold, bring the vial of Vueway to room temperature before use and inspect that the solution is clear, colorless to yellow without any particulate matter and discoloration.

• Discard any unused portion.

##### Pre-filled syringe

• Remove the tip cap of the syringe, screw the plunger rod and use immediately.

• All luer connections should be gently hand tightened without over tightening, to ensure secure connections and to prevent damage to the device.

• Pre-filled syringes must not be frozen. Frozen pre-filled syringes of Vueway should be discarded.

• Discard any unused portion.

##### 2.4 Directions for Use of Pharmacy Bulk Package

• Do not use the Pharmacy Bulk Package for direct infusion.

• Perform the transfer of Vueway from the Pharmacy Bulk Package in an aseptic work area, such as laminar flow hood, using aseptic technique and suitable transfer device for filling empty syringes.

• Penetrate the closure only one time. Once the container closure is punctured, do not remove the Pharmacy Bulk Package from the aseptic work area.

• The Pharmacy Bulk Package is used with an appropriate transfer device for filling empty sterile syringes. Use each individual dose of Vueway promptly following withdrawal from the Pharmacy Bulk Package.

• Use the contents of the Pharmacy Bulk Package within 24 hours at room temperature after initial puncture.

• If solidification occurs in the vial because of exposure to the cold, bring the vial of Vueway to room temperature before use and inspect that the solution is clear, colorless to yellow without any particulate matter and discoloration.

##### 2.5 Directions for Use of Imaging Bulk Package

• Vueway Imaging Bulk Package (IBP) is for intravenous use and not for direct infusion.

• The IBP is a container of a sterile preparation for parenteral use that contains multiple single doses of Vueway for multiple patients for use with an automated contrast injection system, contrast management system, or contrast media transfer set approved or cleared for use with this contrast agent in this IBP.

• See drug and device labeling for information on devices indicated for use with this IBP and techniques to help assure safe use.

• The Vueway IBP is to be used only in a room designated to perform radiological procedures that involve administration of a contrast agent.

• Utilize aseptic technique for penetrating the container closure of the IBP and transferring Vueway.

• Penetrate the container closure only one time with a suitable sterile component of the automated contrast injection system, contrast management system, or contrast media transfer set (e.g., transfer spike) approved or cleared for use with this IBP.

• During the entire period of use, ensure that the contents of the Vueway IBP container are in continuous contact with the automated contrast injector system, contrast management system, or contrast media transfer set. Do not remove the dispensing set from the IBP container closure to ensure the protection of the contrast media against any possible contamination.

• Once the Vueway IBP container is punctured, do not remove it from the work area. Store the Vueway IBP at 25°C (77°F); excursions permitted from 15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature].

• A maximum use time from initial puncture is 24 hours. Discard any unused Vueway 24 hours after initial puncture of the IBP.

• After the container closure is punctured, if the integrity of the IBP and the delivery system cannot be assured through direct continuous supervision, the IBP and all associated disposables for the automated contrast injection system, contrast management system, or contrast media transfer set should be discarded.

• If solidification occurs in the IBP because of exposure to the cold, bring the IBP of Vueway to room temperature before use and inspect that the solution is clear, colorless to yellow without any particulate matter and discoloration.

#### 3 DOSAGE FORMS AND STRENGTHS

Injection: Vueway is a clear, colorless to yellow aqueous solution at a concentration of 0.5 mmol/mL of gadopiclenol available as:

Strength	Packaging
• 1.5 mmol/3 mL (0.5 mmol/mL)	Single-dose vials (glass)
• 3.75 mmol/7.5 mL (0.5 mmol/mL)	Single-dose prefilled syringes (plastic)
• 5 mmol/10 mL (0.5 mmol/mL)	Pharmacy bulk package (glass)
• 7.5 mmol/15 mL (0.5 mmol/mL)	Imaging Bulk Package (glass)
• 15 mmol/30 mL (0.5 mmol/mL)	
• 25 mmol/50 mL (0.5 mmol/mL)	
• 50 mmol/100 mL (0.5 mmol/mL)	
• 15 mmol/30 mL (0.5 mmol/mL)	
• 25 mmol/50 mL (0.5 mmol/mL)	
• 50 mmol/100 mL (0.5 mmol/mL)	

#### 4 CONTRAINDICATIONS

Vueway is contraindicated in patients with history of hypersensitivity reactions to Vueway.

#### 5 WARNINGS AND PRECAUTIONS

##### 5.1 Risk Associated with Intrathecal Use

Intrathecal administration of GBCAs can cause serious adverse reactions including death, coma, encephalopathy, and seizures. Vueway is not approved for intrathecal use [see Dosage and Administration and Warnings and Precautions (2.1)].

#### 5.2 Nephrogenic Systemic Fibrosis

GBCAs increase the risk for nephrogenic systemic fibrosis (NSF) among patients with impaired elimination of the drugs. Avoid use of Vueway among these patients unless the diagnostic information is essential and not available with non-contrast MRI or other modalities. The GBCA-associated NSF risk appears highest for patients with chronic, severe kidney disease (GFR < 30 mL/min/1.73 m<sup>2</sup>) as well as patients with acute kidney injury. The risk appears lower for patients with chronic, moderate kidney disease (GFR 30-59 mL/min/1.73 m<sup>2</sup>) and little, if any, for patients with chronic, mild kidney disease (GFR 60-89 mL/min/1.73 m<sup>2</sup>). NSF may result in fatal or debilitating fibrosis affecting the skin, muscle, and internal organs. Report any diagnosis of NSF following Vueway administration to Bracco Diagnostics Inc. (1-800-257-5181) or FDA (1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch)).

Screen patients for acute kidney injury and other conditions that may reduce renal function. Features of acute kidney injury consist of rapid (over hours to days) and usually reversible decrease in kidney function, commonly in the setting of surgery, severe infection, injury or drug-induced kidney toxicity. Serum creatinine levels and estimated GFR may not reliably assess renal function in the setting of acute kidney injury. For patients at risk for chronically reduced renal function (e.g., age >60 years, diabetes mellitus or chronic hypertension), estimate the GFR through laboratory testing. Among the factors that may increase the risk for NSF are repeated or higher than recommended doses of a GBCA and the degree of renal impairment at the time of exposure. Record the specific GBCA and the dose administered to a patient. For patients at highest risk for NSF, do not exceed the recommended Vueway dose and allow a sufficient period of time for elimination of the drug prior to re-administration. For patients receiving hemodialysis, physicians may consider the prompt initiation of hemodialysis following the administration of a GBCA in order to enhance the contrast agent's elimination [see Use in Specific Populations (8.6) and Clinical Pharmacology (12.3)]. The usefulness of hemodialysis in the prevention of NSF is unknown.

#### 5.3 Hypersensitivity Reactions

With GBCAs, serious hypersensitivity reactions have occurred. In most cases, initial symptoms occurred within minutes of GBCA administration and resolved with prompt emergency treatment.

- Before Vueway administration, assess all patients for any history of a reaction to contrast media, bronchial asthma and/or allergic disorders. These patients may have an increased risk for a hypersensitivity reaction to Vueway.
- Vueway is contraindicated in patients with history of hypersensitivity reactions to Vueway [see Contraindications (4)].
- Administer Vueway only in situations where trained personnel and therapies are promptly available for the treatment of hypersensitivity reactions, including personnel trained in resuscitation.
- During and following Vueway administration, observe patients for signs and symptoms of hypersensitivity reactions.

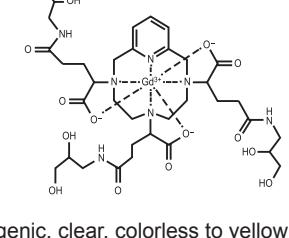
#### 5.4 Gadolinium Retention

Gadolinium is retained for months or years in several organs. The highest concentrations (nanomoles per gram of tissue) have been identified in the bone, followed by other organs (e.g. brain, skin, kidney, liver, and spleen). The duration of retention also varies by tissue and is longest in bone. Linear GBCAs cause more retention than macrocyclic GBCAs. At equivalent doses, gadolinium retention varies among the linear agents with gadodiamide causing greater retention than other linear agents such as gadoxetate disodium and gadobenate dimeglumine. Retention is lowest and similar among the macrocyclic GBCAs such as gadoteridol, gadobutrol, gadoteridol, and gadopentetate.

Consequences of gadolinium retention in the brain have not been established. Pathologic and clinical consequences of GBCA administration and retention in skin and other organs have been established in patients with impaired renal function [see Warnings and Precautions (5.2)]. There are rare reports of pathologic skin

## 11 DESCRIPTION

Vueway is a gadolinium-based contrast agent, which contains gadopiclenol, a paramagnetic macrocyclic non-ionic complex of gadolinium. The chemical name for gadopiclenol is *rac*-(2R,2'E,2''E)-2,2',2''-(3,6,9-traza- $\kappa^3$ N<sup>3</sup>,N<sup>6</sup>,N<sup>9</sup>-1(2,6)-pyridin- $\kappa^1$ N<sup>1</sup>-cyclodecapane-3,6,9-tryl)tris(5-[(2E)-2,3-dihydroxypropyl]amino)-5-oxpentanoato- $\kappa^3$ O<sup>1</sup>,O<sup>1'</sup>,O<sup>1''</sup>-(3-)-gadolinium with a molecular weight of 970.11 g/mol and a molecular formula of C<sub>35</sub>H<sub>44</sub>GdN<sub>14</sub>O<sub>15</sub>.



Vueway is a sterile, nonpyrogenic, clear, colorless to yellow aqueous solution for intravenous use. Each mL contains 485.1 mg of gadopiclenol (equivalent to 0.5 mmol of gadopiclenol and 78.6 mg of gadolinium) and the following inactive ingredients: 0.404 mg tetraxetan, 1.211 mg trometamol, hydrochloric acid and/or sodium hydroxide (for pH adjustment, if needed), and water for injection.

The main physicochemical properties of Vueway are provided in Table 2.

**Table 2. Physicochemical properties of Vueway**

Parameter	Value
Density at 20°C	1.211 g/cm <sup>3</sup>
Mean viscosity at 20°C	12.6 mPa.s
Mean viscosity at 37°C	7.6 mPa.s
Osmolality at 37°C	850 mOsm/kg water
pH	7.0 – 7.8

## 12 CLINICAL PHARMACOLOGY

### 12.1 Mechanism of Action

Gadopiclenol is a paramagnetic molecule (macrocyclic non-ionic complex of gadolinium) that develops a magnetic moment when placed in a magnetic field. The magnetic moment alters the relaxation rates of water protons in its vicinity in the body, leading to an increase in signal intensity (brightness) of tissues.

### 12.2 Pharmacodynamics

In MRI, visualization of normal and pathological tissue depends in part on variations in the radiofrequency signal intensity that occur with:

- differences in proton density
- differences of the spin-lattice or longitudinal relaxation times (T<sub>1</sub>)
- differences in the spin-spin or transverse relaxation time (T<sub>2</sub>).

When placed in a magnetic field (patient in MRI machine), gadopiclenol shortens the T<sub>1</sub> and T<sub>2</sub> relaxation times in targeted tissues. The extent to which a contrast agent can affect the relaxation rate of tissue water (1/T<sub>1</sub> or 1/T<sub>2</sub>) is termed relaxivity (r<sub>1</sub> or r<sub>2</sub>).

The relaxivity of GBCAs is presented in Table 3.

**Table 3. Relaxivity (r<sub>1</sub>) of GBCAs in Human Plasma/Serum at 1.5 T and 37°C**

Gadolinium-Chelate	r <sub>1</sub> (L·mmol <sup>-1</sup> ·s <sup>-1</sup> )
Gadobenic acid	6.3
Gadobutrol	5.2
Gadodiamide	4.3
Gadopentetic acid	4.1
Gadopiclenol	12.8
Gadoteric acid	3.6
Gadoteridol	4.1
Gadoxetic acid	6.9

### Cardiac Electrophysiology

At 6 times the recommended dosage in adult patients, gadopiclenol does not prolong the QT interval to any clinically relevant extent.

### 12.3 Pharmacokinetics

The C<sub>max</sub> and AUC<sub>int</sub> of gadopiclenol increased proportionally over a dosage range from 0.025 mmol/kg to 0.3 mmol/kg (0.5 times to 6 times the recommended dosage). At the recommended dose, the mean (CV%) C<sub>max</sub> and AUC<sub>int</sub> were 525 (13%) µg/mL and 569 (18%) µg·h/mL, respectively.

#### Distribution

After intravenous administration of Vueway, gadopiclenol is distributed in the extracellular fluids.

The mean (CV%) volume of distribution of gadopiclenol at steady state is 13 (13%) L.

Protein binding of gadopiclenol is ≤ 1.8% at clinically relevant concentrations.

Following GBCA administration, gadolinium is present for months or years in brain, bone, skin, and other organs [see *Warnings and Precautions* (5.4)]. It is unknown whether the recommended dose of Vueway results in similar or different levels of gadolinium retention relative to those of other approved macrocyclic GBCAs at their recommended doses.

#### Elimination

The mean (CV%) elimination half-life (t<sub>1/2</sub>) of gadopiclenol is 1.5 (14%) hour.

The mean (CV%) total body clearance (CL) and renal clearance (CL<sub>r</sub>) of gadopiclenol are 100 (9.5%) mL/min and 81 (35%) mL/min, respectively.

**Metabolism**

Gadopiclenol is not metabolized.

#### Excretion

Gadopiclenol is mainly eliminated through the kidneys by glomerular filtration. Approximately 98% of the dose was recovered in urine within 48 hours after administration.

#### Specific Populations

No clinically significant differences in the pharmacokinetics of gadopiclenol were observed based on sex.

#### Pediatric Patients

The pharmacokinetics of gadopiclenol for pediatric patients (2 to 17 years of age) were within range to those of adults (> 18 years of age) [see *Dosage and Administration* (2.1)].

The pharmacokinetic parameters (median [range]) of gadopiclenol in pediatric patients are presented in Table 4.

**Table 4. Pharmacokinetic Parameters (Median [Range])<sup>a</sup> According to Age Classes**

	2-6 years	7-11 years	12-17 years	>18 years
CL (L/h/kg)	0.12 [0.05; 0.28]	0.10 [0.04; 0.24]	0.08 [0.04; 0.20]	0.08 [0.05; 0.14]
t <sub>1/2</sub> (h)	1.29 [0.69; 3.38]	1.48 [0.83; 3.20]	1.77 [1.00; 3.57]	1.82 [0.93; 3.68]
AUC <sub>int</sub> (µg·h/mL)	403 [169; 964]	478 [183; 1077]	582 [267; 1291]	590 [353; 937]
C <sub>20</sub> (µg/mL)	236 [136; 387]	260 [151; 401]	286 [155; 441]	296 [166; 485]

<sup>a</sup> At the recommended dosage

#### Patients with Renal Impairment

The pharmacokinetic parameters (mean (%CV)) of gadopiclenol in patients with renal impairment are presented in Table 5.

**Table 5. Effect of Renal Impairment on the Pharmacokinetics of Gadopiclenol<sup>a,b</sup>**

	Normal (eGFR ≥ 90 mL/min)	Mild (eGFR 60 to < 90 mL/min)	Moderate (eGFR 30 to < 60 mL/min)	Severe (eGFR 15 to < 30 mL/min)
AUC <sub>int</sub> (µg·h/mL)	1113 (24%)	1711 (31%)	2759 (28%)	9671 (18%)
CL <sub>r</sub> (mL/min)	96 (10%)	76 (23%)	44 (25%)	14 (26%)
t <sub>1/2</sub> (h)	1.9	3.3	3.8	11.7

<sup>a</sup> Following administration of a single gadopiclenol 0.1 mmol/kg dose (2 times the recommended dosage).

<sup>b</sup> eGFR: estimate of GFR based on an estimation equation and expressed in mL/min. To convert mL/min/1.73 m<sup>2</sup> to mL/min, multiply by the individual's BSA and divide by 1.73.

In patients with mild or moderate renal impairment, more than 90% of the administered Vueway was recovered in urine within 48 hours. In patients with severely impaired renal function about 84% of the administered Vueway was recovered in urine within 5 days.

In patients with eGFR < 15 mL/min, hemodialysis effectively removed gadopiclenol from plasma as the percentage of decrease in blood concentrations was 95 to 98% at the end of the first hemodialysis session and 100% after the third hemodialysis session [see *Warnings and Precautions* (5.2), *Use in Specific Populations* (8.6)].

## 13 NONCLINICAL TOXICOLOGY

### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

#### Carcinogenesis

No carcinogenicity studies of gadopiclenol were performed.

#### Mutagenesis

Gadopiclenol did not demonstrate mutagenic potential in *in vitro* bacterial reverse mutation assays (Ames test), in an *in vitro* chromosome aberration assay in Chinese hamster ovary cells nor in an *in vivo* rat micronucleus assay.

#### Impairment of Fertility

Gadopiclenol had no effect on fertility and general reproductive performance of male and female rats when given at dose up to 10 mmol/kg (corresponding to 62 times the recommended human dose).

### 13.2 Animal Toxicology

Local intolerance reactions, including slight to moderate erythema and edema, were observed after perivenous injection in rabbits suggesting the possibility of local irritation if the contrast medium leaks around the veins in a clinical setting [see *Warnings and Precautions* (5.6)].

## 14 CLINICAL STUDIES

### 14.1 Overview of Clinical Studies

The safety and effectiveness of Vueway for lesion visualization were evaluated in two prospective, double-blind, randomized, crossover clinical studies. Study 1 (NCT03996447) was performed in adults with known or highly suspected CNS lesions with focal areas of disruption of the blood-brain barrier. Study 2 (NCT03986138) was performed in adults with suspected enhancing abnormalities in at least one body region among the head and neck, thorax, abdomen, pelvis, and musculoskeletal system.

In each study, patients received both Vueway 0.05 mmol/kg and gadobutrol 0.1 mmol/kg (as an active comparator) in random order separated by 2 days to 14 days. Magnetic resonance imaging was performed before and after administration of each contrast agent.

Pre-contrast and paired (consisting of both pre-contrast and post-contrast images for the same drug) image sets were independently evaluated by three central readers who were blinded to identity of the contrast agent. Readers scored up to three lesions per patient for border delineation, internal morphology, and contrast enhancement, each on a scale from 1 to 4. The total number of lesions was also reported. An additional independent central reader performed lesion tracking to allow matching of lesions between pre-contrast and paired images.

The analysis compared the patient-level average score for matching lesions for each visualization parameter between pre-contrast and paired image sets.

### 14.2 Visualization of CNS Lesions

Study 1 included 256 patients with known or highly suspected CNS lesion(s). Among the enrolled patients, 239 had assessable pre-contrast and paired images with at least one matching lesion for at least one reader. These patients had a mean age of 57 years (range: 18 years to 84 years), 52% were female, and 83% were White.

All three blinded readers' evaluations of paired pre-contrast plus post-contrast images and pre-contrast images alone for all lesion visualization criteria, the pre-specified co-primary efficacy endpoints, are presented in Table 6.

**Table 6. Patient-Level CNS Lesion Visualization Scores by Reader, Paired vs. Pre-contrast in Patients Receiving Vueway 0.05 mmol/kg Intravenously**

n	Paired	LS Mean (SE)	95% CI Difference
<b>Border delineation</b>			
Reader 1	3.90 (0.02)	2.08 (0.02)	1.82 (0.03) (1.76, 1.88)
Reader 2	3.64 (0.04)	1.74 (0.04)	1.90 (0.05) (1.81, 2.00)
Reader 3	3.97 (0.03)	2.61 (0.03)	1.36 (0.04) (1.29, 1.44)
<b>Internal morphology</b>			
Reader 1	3.92 (0.03)	1.66 (0.03)	2.26 (0.03) (2.20, 2.33)
Reader 2	3.65 (0.03)	1.88 (0.03)	1.77 (0.04) (1.69, 1.85)
Reader 3	2.02	3.97 (0.04)	2.01 (0.04) (1.96 (0.05) (1.85, 2.06)
<b>Degree of contrast enhancement</b>			
Reader 1	3.77 (0.03)	1.00 (0.03)	2.77 (0.04) (2.69, 2.85)
Reader 2	3.58 (0.03)	1.00 (0.03)	2.58 (0.05) (2.49, 2.67)