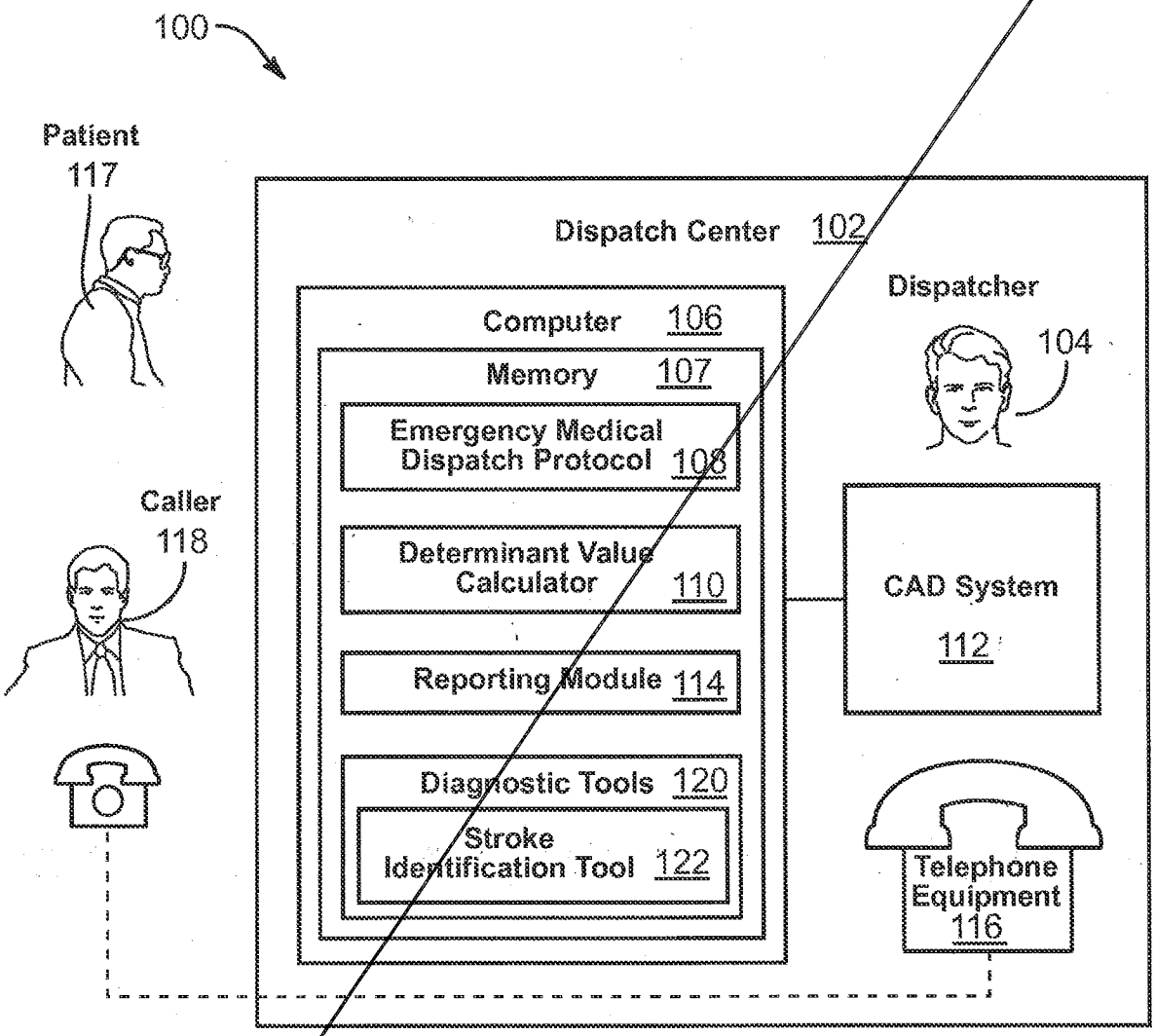

100
Patient
117
Caller
118
Dispatch Center 102
Computer 106
Memory 107
Emergency Medical Dispatch Protocol 108
Determinant Value Calculator 110
Reporting Module 114
Diagnostic Tools 120
Stroke Identification Tool 122
Dispatcher
104
CAD System
112
Telephone Equipment
116

FIG. 1

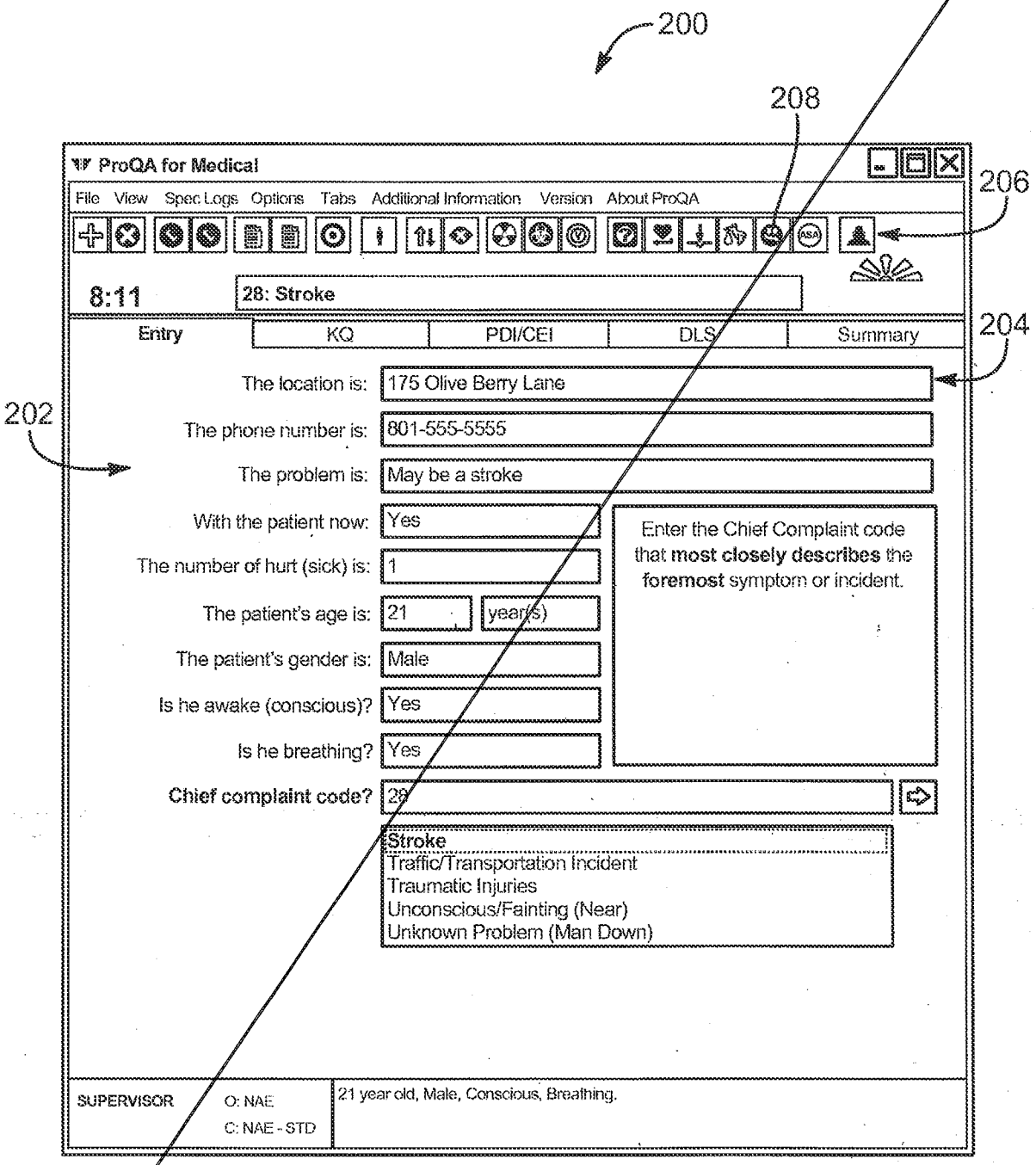

200
208
206
204
202
ProQA for Medical
File View Spec Logs Options Tabs Additional Information Version About ProQA
8:11
28: Stroke
Entry
KQ
PDI/CEI
DLS
Summary
The location is:
175 Olive Berry Lane
The phone number is:
801-555-5555
The problem is:
May be a stroke
With the patient now:
Yes
The number of hurt (sick) is:
1
The patient's age is:
21
year(s)
The patient's gender is:
Male
Is he awake (conscious)?
Yes
Is he breathing?
Yes
Chief complaint code?
28
Enter the Chief Complaint code that most closely describes the foremost symptom or incident.
Stroke
Traffic/Transportation Incident
Traumatic Injuries
Unconscious/Fainting (Near)
Unknown Problem (Man Down)
SUPERVISOR
O: NAE
C: NAE - STD
21 year old, Male, Conscious, Breathing.

FIG. 2

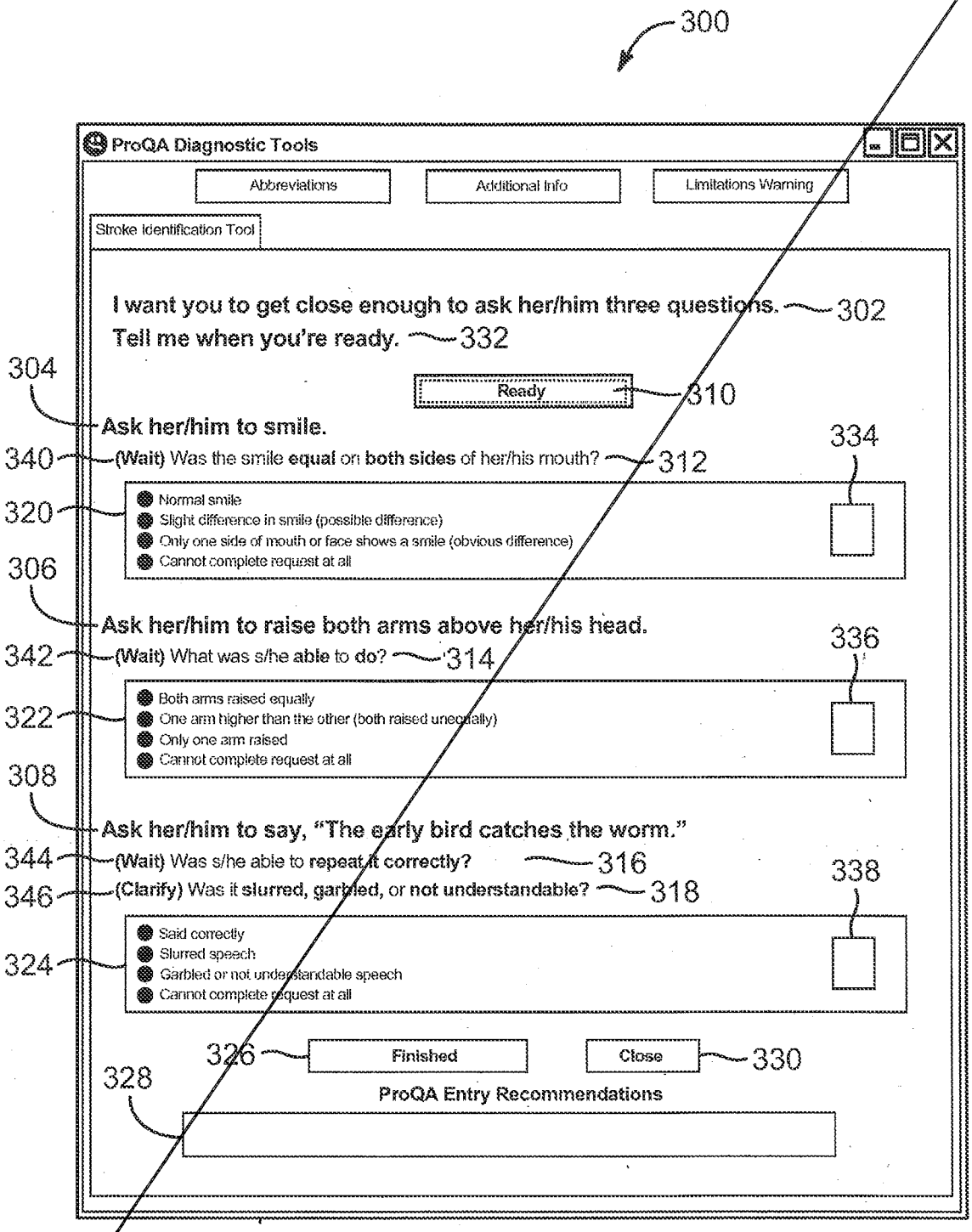

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
334
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
306
Ask her/him to raise both arms above her/his head.
342
(Wait) What was s/he able to do?
314
336
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
308
Ask her/him to say, "The early bird catches the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3A

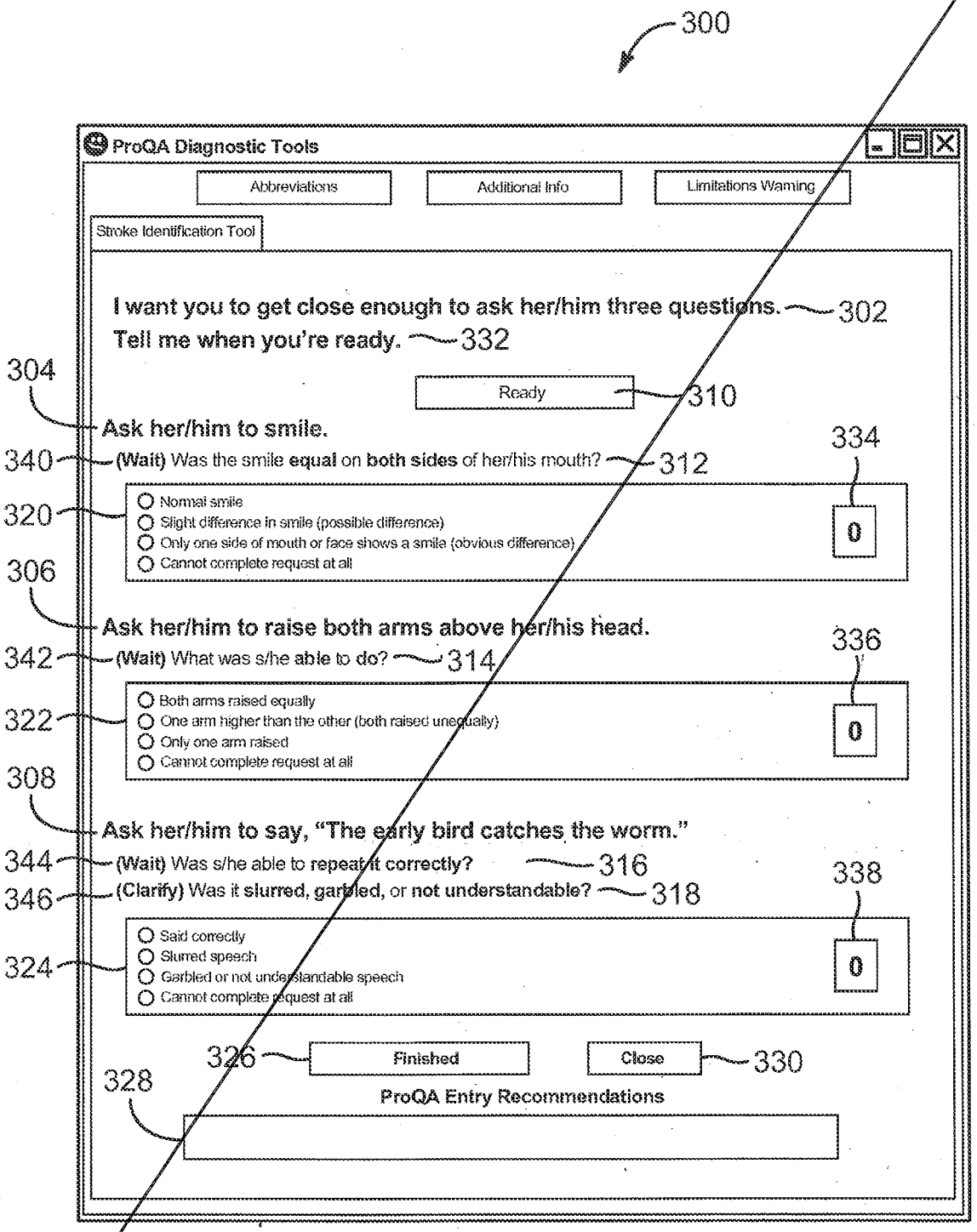

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
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Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
334
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
0
306
Ask her/him to raise both arms above her/his head.
342
(Wait) What was s/he able to do?
314
336
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
0
308
Ask her/him to say, "The early bird catches the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
346
(Clarify) Was it slurred, garbled, or not understandable?
318
338
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
0
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3B

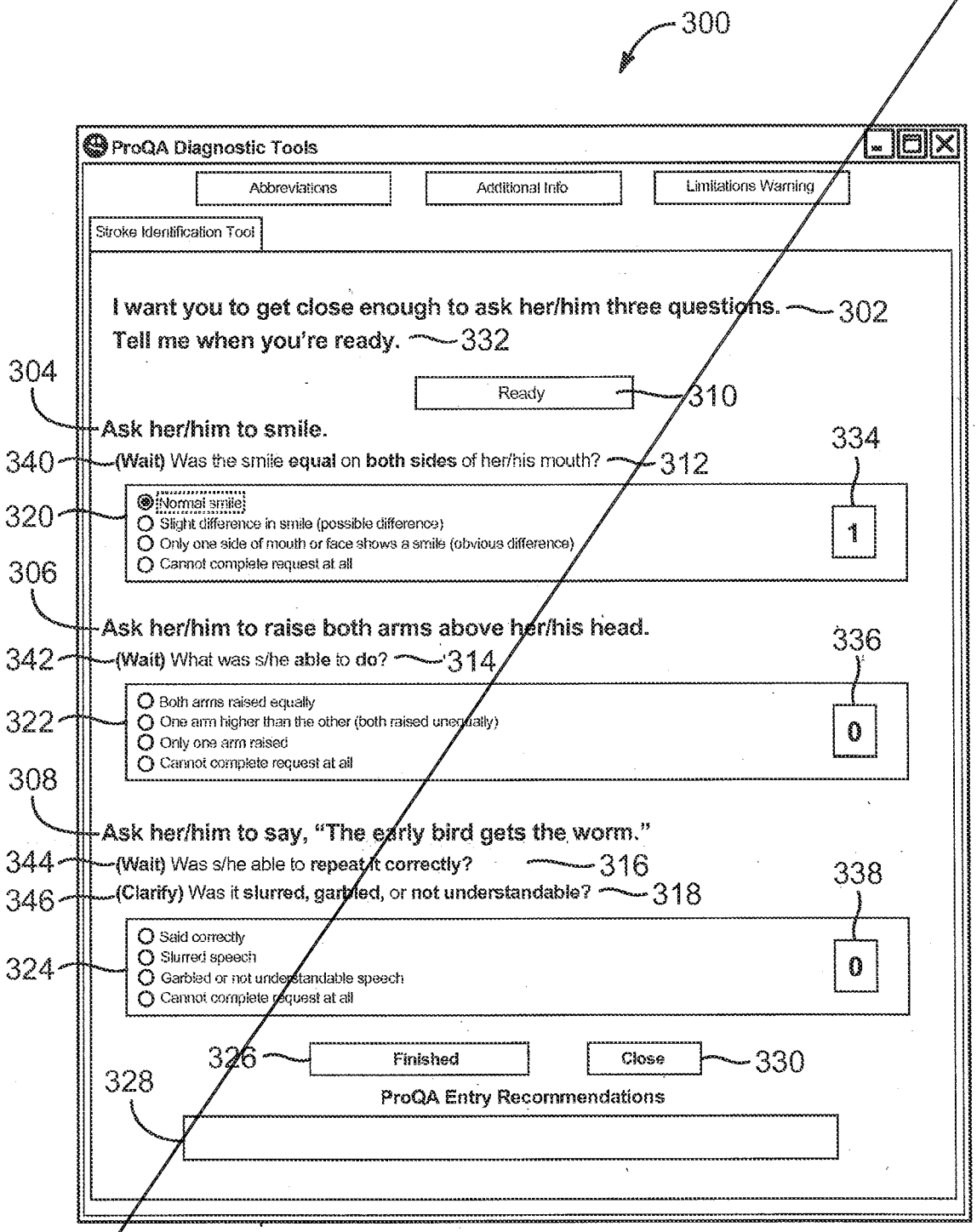

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
334
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
1
306
Ask her/him to raise both arms above her/his head.
336
342
(Wait) What was s/he able to do?
314
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
0
308
Ask her/him to say, "The early bird gets the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
0
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3C

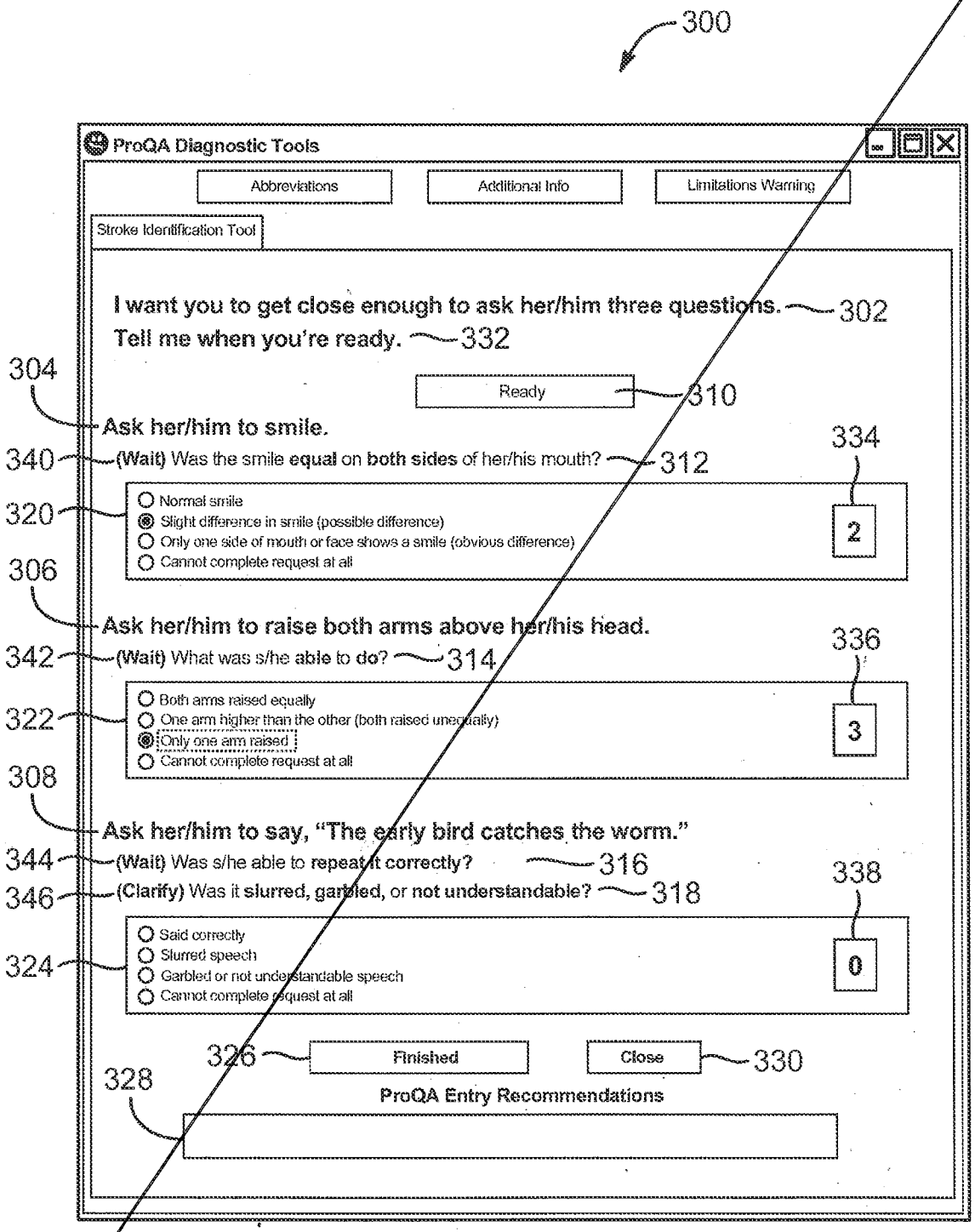

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
334
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
2
306
Ask her/him to raise both arms above her/his head.
342
(Wait) What was s/he able to do?
314
336
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
3
308
Ask her/him to say, "The early bird catches the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
0
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3D

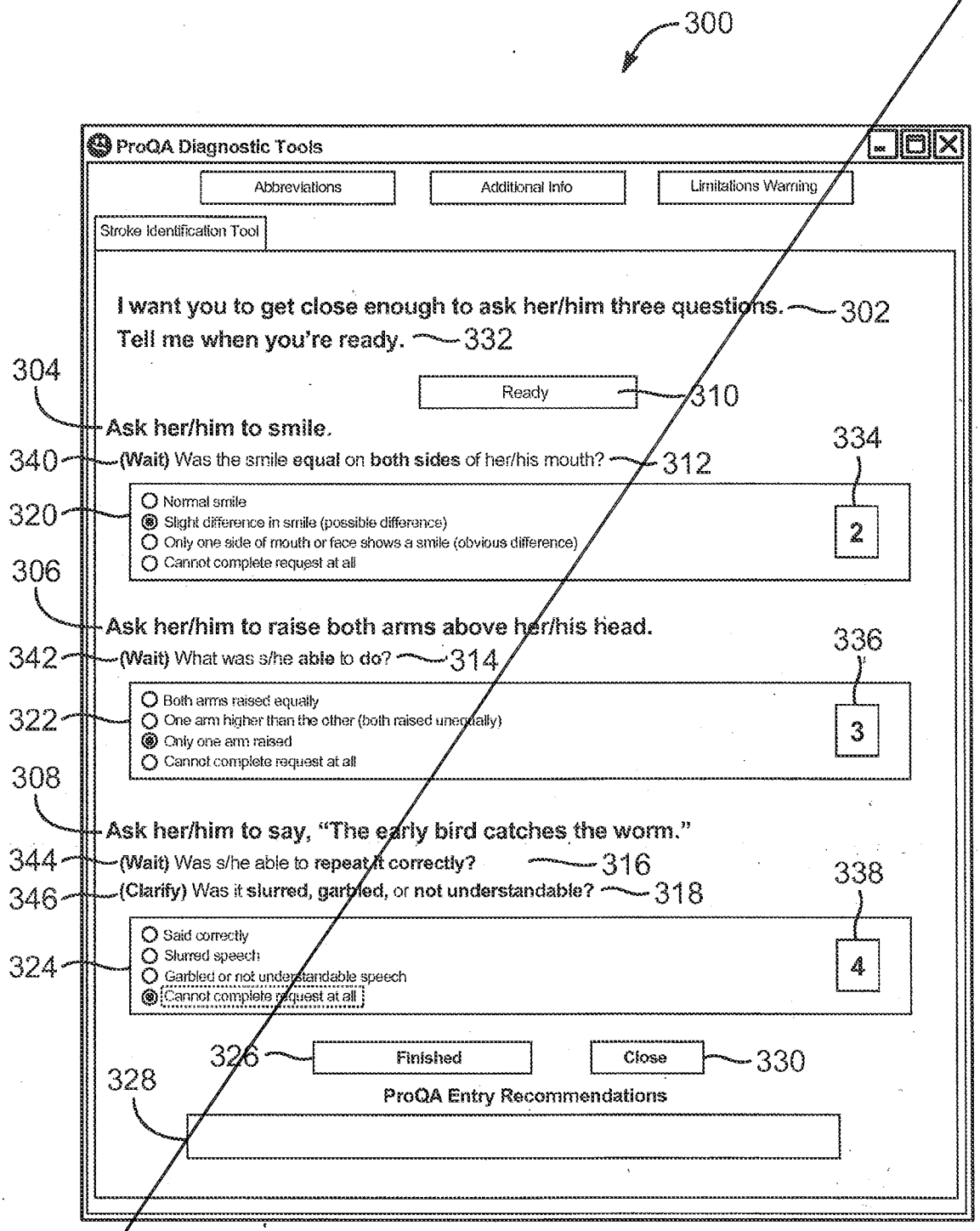

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
334
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
2
306
Ask her/him to raise both arms above her/his head.
342
(Wait) What was s/he able to do?
314
336
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
3
308
Ask her/him to say, "The early bird catches the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
4
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3E

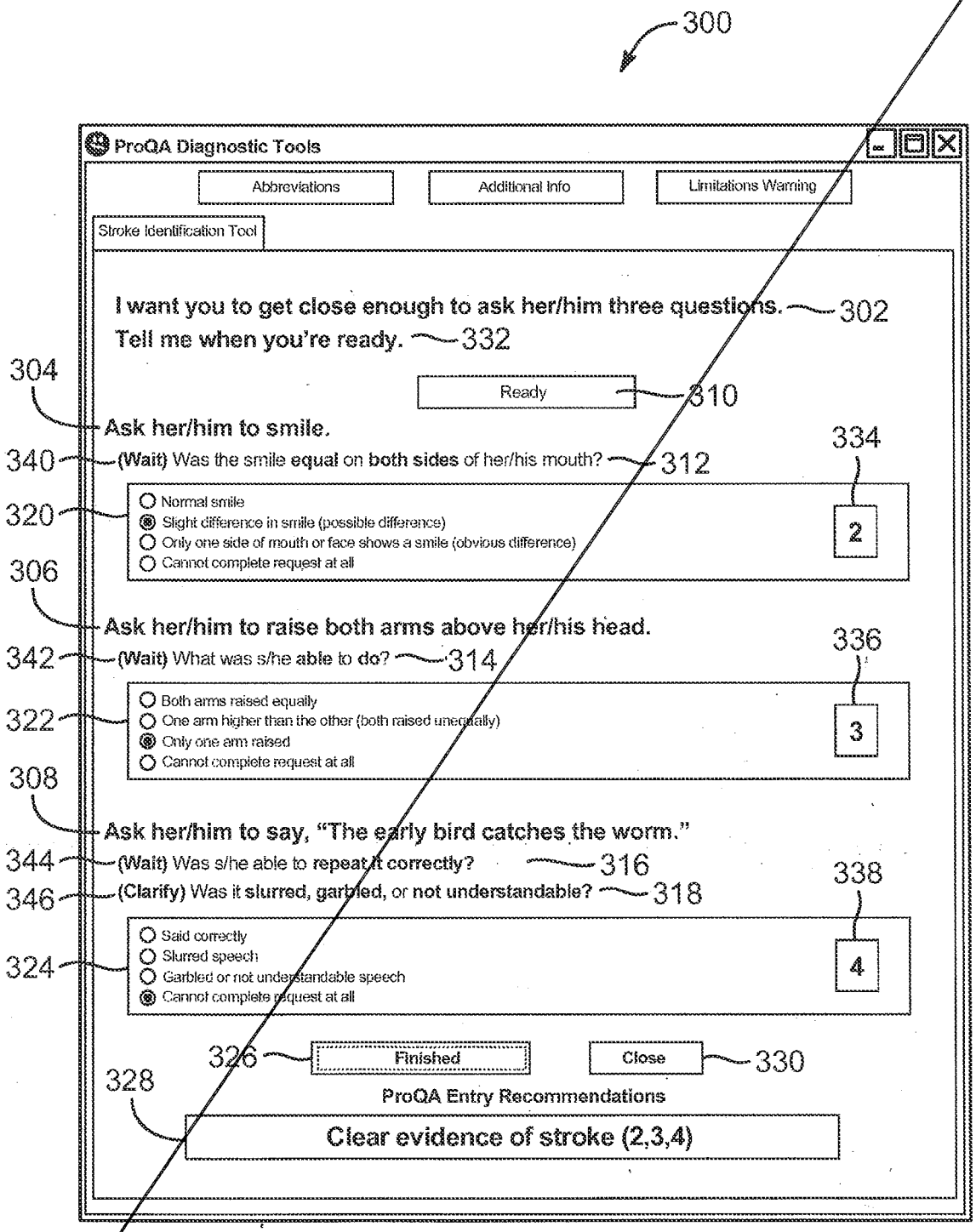

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
304
Ready
310
Ask her/him to smile.
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
334
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
2
306
Ask her/him to raise both arms above her/his head.
342
(Wait) What was s/he able to do?
314
336
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
3
308
Ask her/him to say, "The early bird catches the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
4
326
Finished
Close
330
328
ProQA Entry Recommendations
Clear evidence of stroke (2,3,4)

FIG. 3F

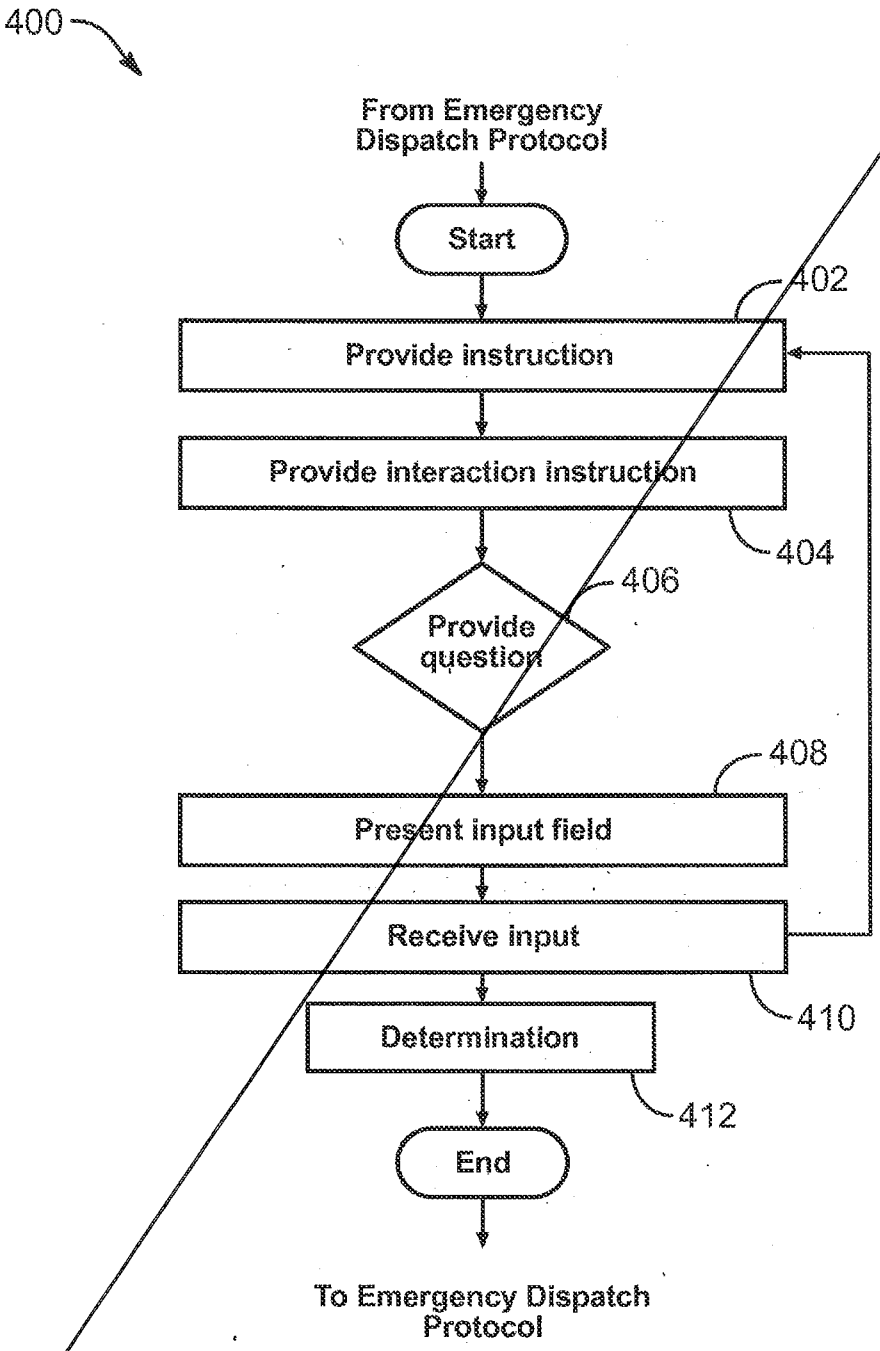

400
From Emergency Dispatch Protocol
Start
402
Provide instruction
Provide interaction instruction
404
406
Provide question
408
Present input field
Receive input
410
Determination
412
End
To Emergency Dispatch Protocol

FIG. 4

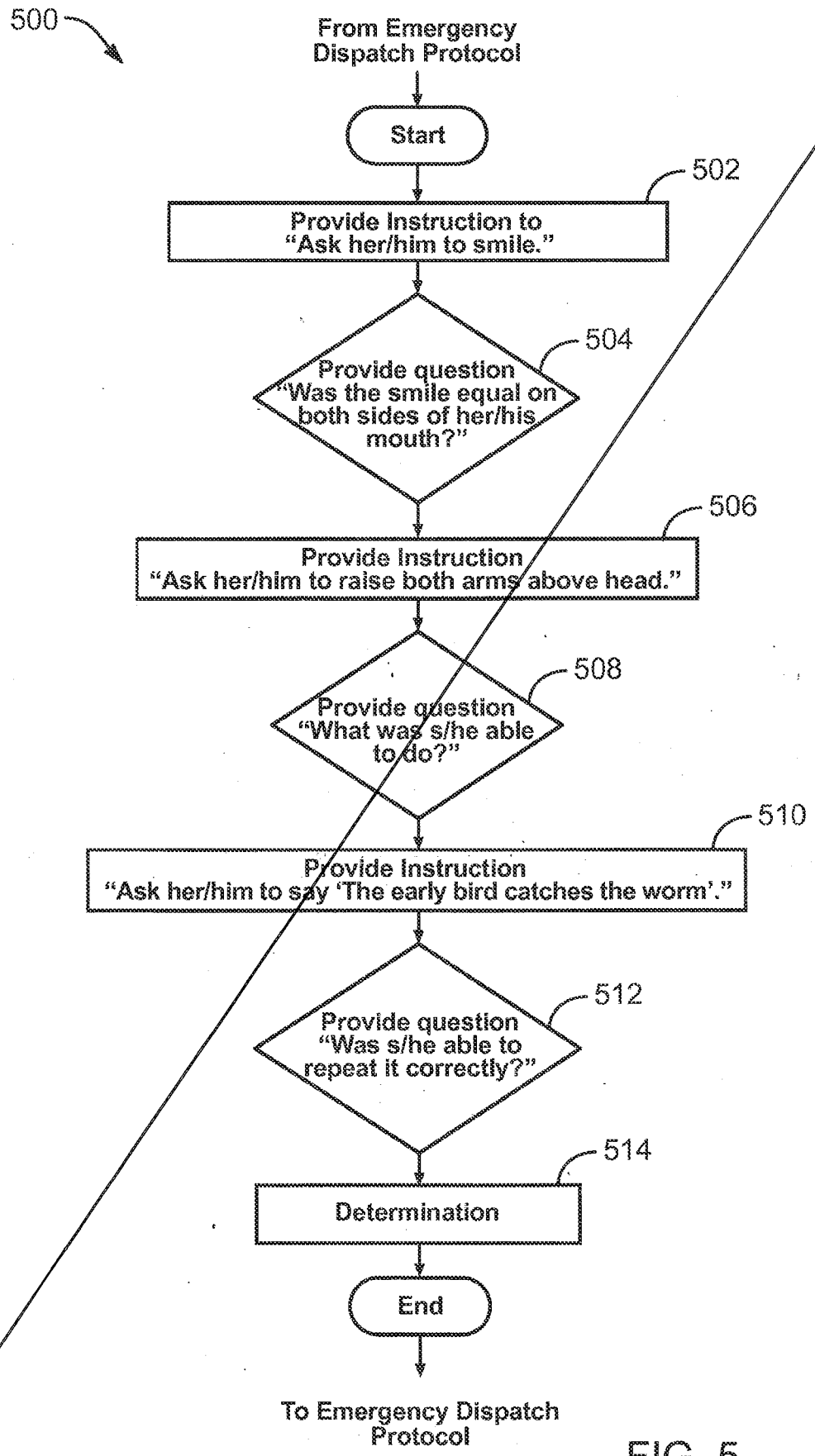

500
From Emergency Dispatch Protocol
Start
502
Provide Instruction to "Ask her/him to smile."
504
Provide question "Was the smile equal on both sides of her/his mouth?"
506
Provide Instruction "Ask her/him to raise both arms above head."
508
Provide question "What was s/he able to do?"
510
Provide Instruction "Ask her/him to say 'The early bird catches the worm'."
512
Provide question "Was s/he able to repeat it correctly?"
514
Determination
End
To Emergency Dispatch Protocol

FIG. 5

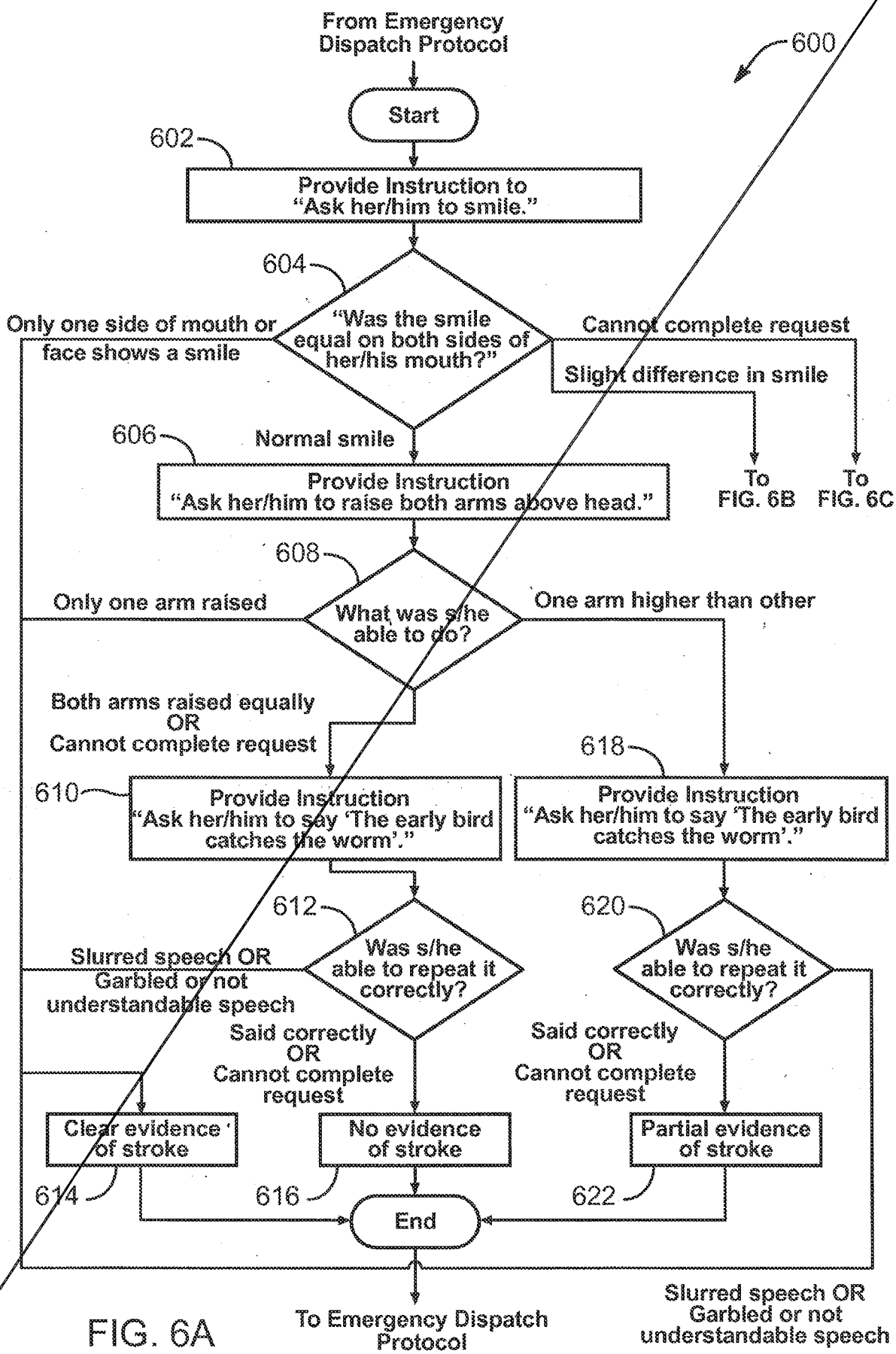

From Emergency Dispatch Protocol
600
Start
602
Provide Instruction to "Ask her/him to smile."
604
"Was the smile equal on both sides of her/his mouth?"
Only one side of mouth or face shows a smile
Cannot complete request
Slight difference in smile
606
Normal smile
Provide Instruction "Ask her/him to raise both arms above head."
To FIG. 6B
To FIG. 6C
608
What was s/he able to do?
Only one arm raised
One arm higher than other
Both arms raised equally OR Cannot complete request
610
Provide Instruction "Ask her/him to say 'The early bird catches the worm'."
618
Provide Instruction "Ask her/him to say 'The early bird catches the worm'."
612
Was s/he able to repeat it correctly?
620
Was s/he able to repeat it correctly?
Slurred speech OR Garbled or not understandable speech
Said correctly OR Cannot complete request
Said correctly OR Cannot complete request
Clear evidence of stroke
No evidence of stroke
Partial evidence of stroke
614
616
622
End
To Emergency Dispatch Protocol
Slurred speech OR Garbled or not understandable speech

FIG. 6A

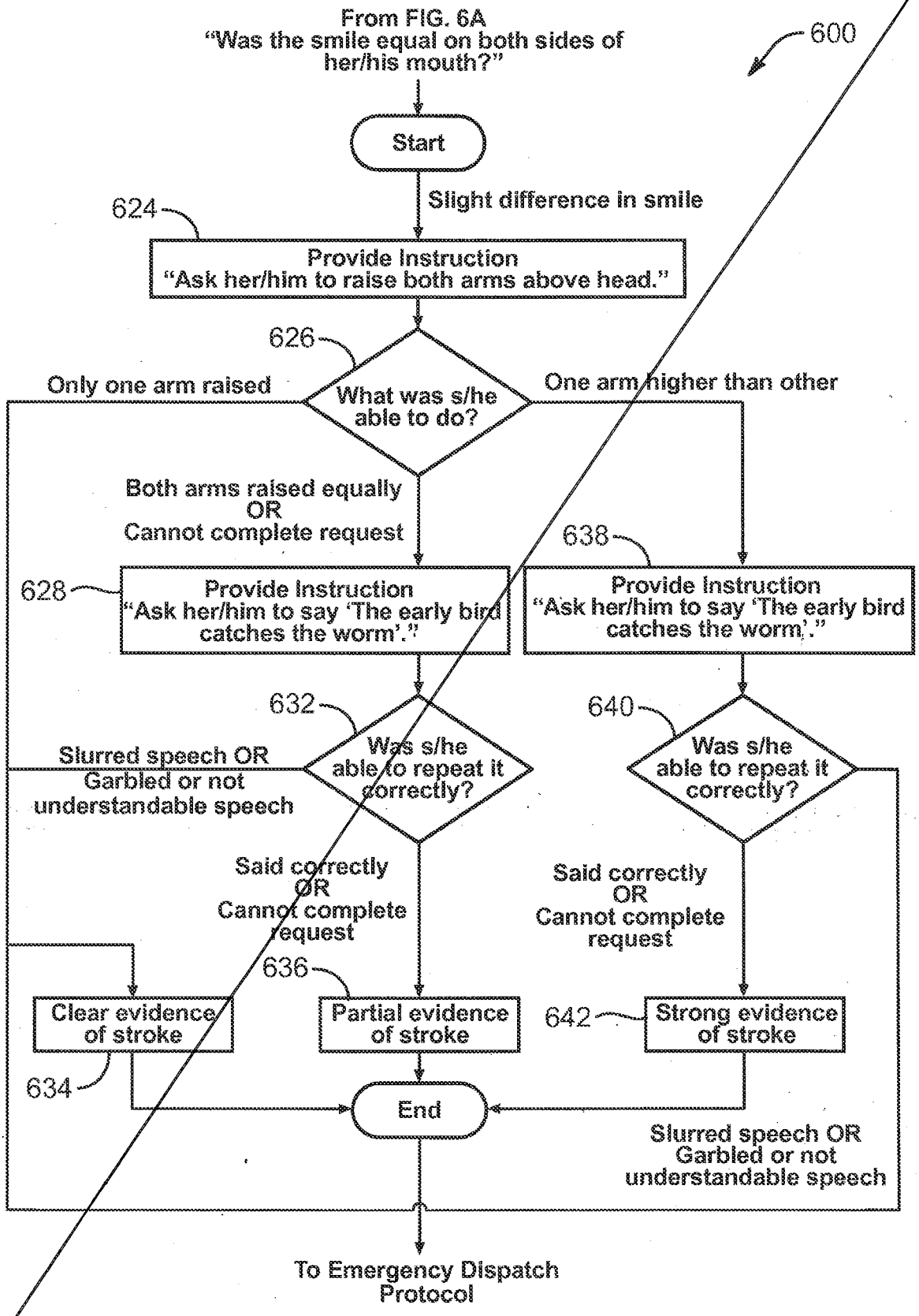

From FIG. 6A
"Was the smile equal on both sides of her/his mouth?"
600
Start
Slight difference in smile
624
Provide Instruction
"Ask her/him to raise both arms above head."
626
What was s/he able to do?
Only one arm raised
One arm higher than other
Both arms raised equally
OR
Cannot complete request
638
628
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
632
640
Was s/he able to repeat it correctly?
Was s/he able to repeat it correctly?
Slurred speech OR
Garbled or not understandable speech
Said correctly
OR
Cannot complete request
Said correctly
OR
Cannot complete request
636
Clear evidence of stroke
Partial evidence of stroke
642
Strong evidence of stroke
634
End
Slurred speech OR
Garbled or not understandable speech
To Emergency Dispatch Protocol

FIG. 6B

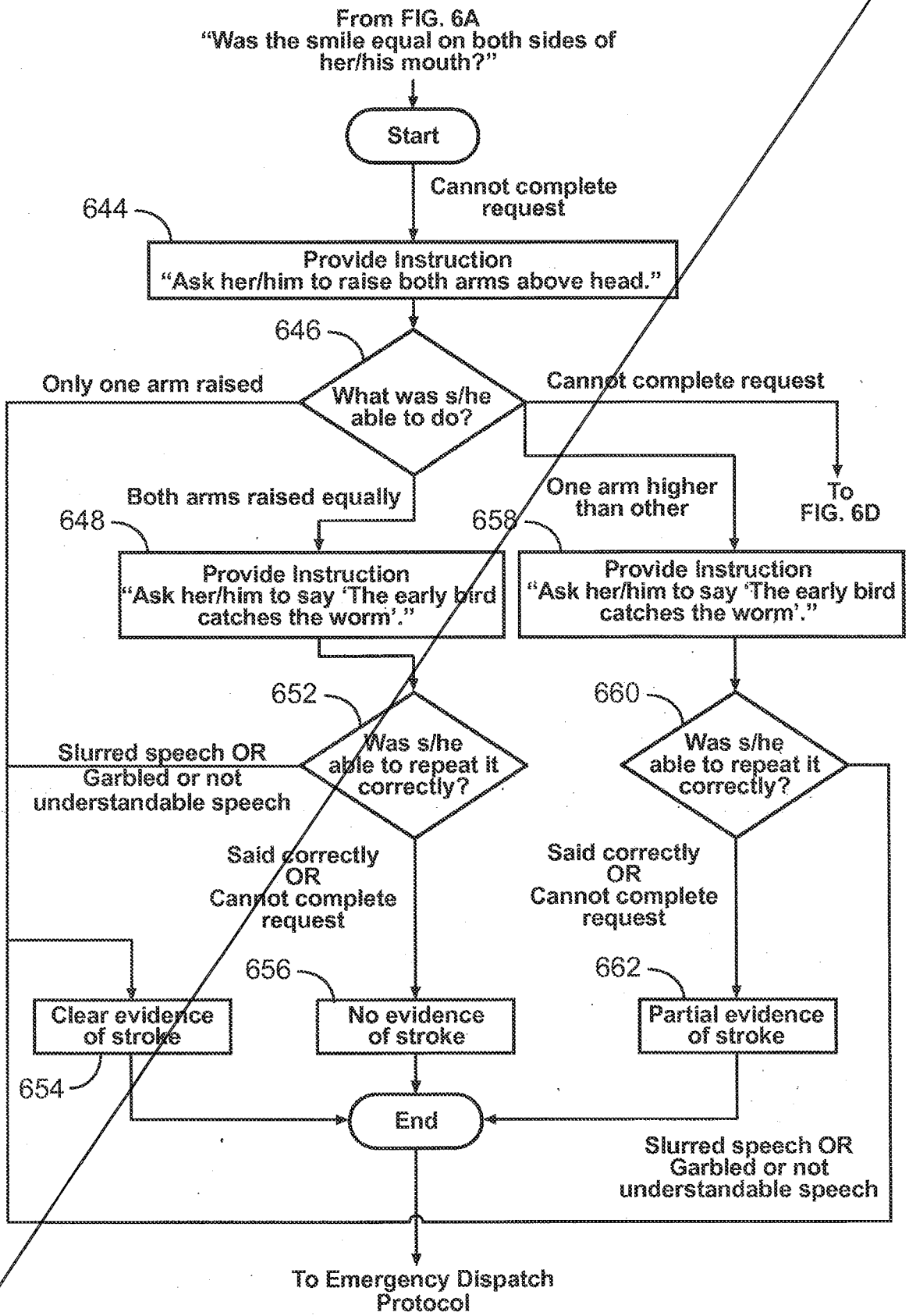

From FIG. 6A
"Was the smile equal on both sides of her/his mouth?"
Start
Cannot complete request
644
Provide Instruction
"Ask her/him to raise both arms above head."
646
What was s/he able to do?
Only one arm raised
Cannot complete request
Both arms raised equally
One arm higher than other
To FIG. 6D
648
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
658
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
652
Was s/he able to repeat it correctly?
660
Was s/he able to repeat it correctly?
Slurred speech OR Garbled or not understandable speech
Said correctly OR Cannot complete request
Said correctly OR Cannot complete request
656
662
Clear evidence of stroke
No evidence of stroke
Partial evidence of stroke
654
End
Slurred speech OR Garbled or not understandable speech
To Emergency Dispatch Protocol

FIG. 6C

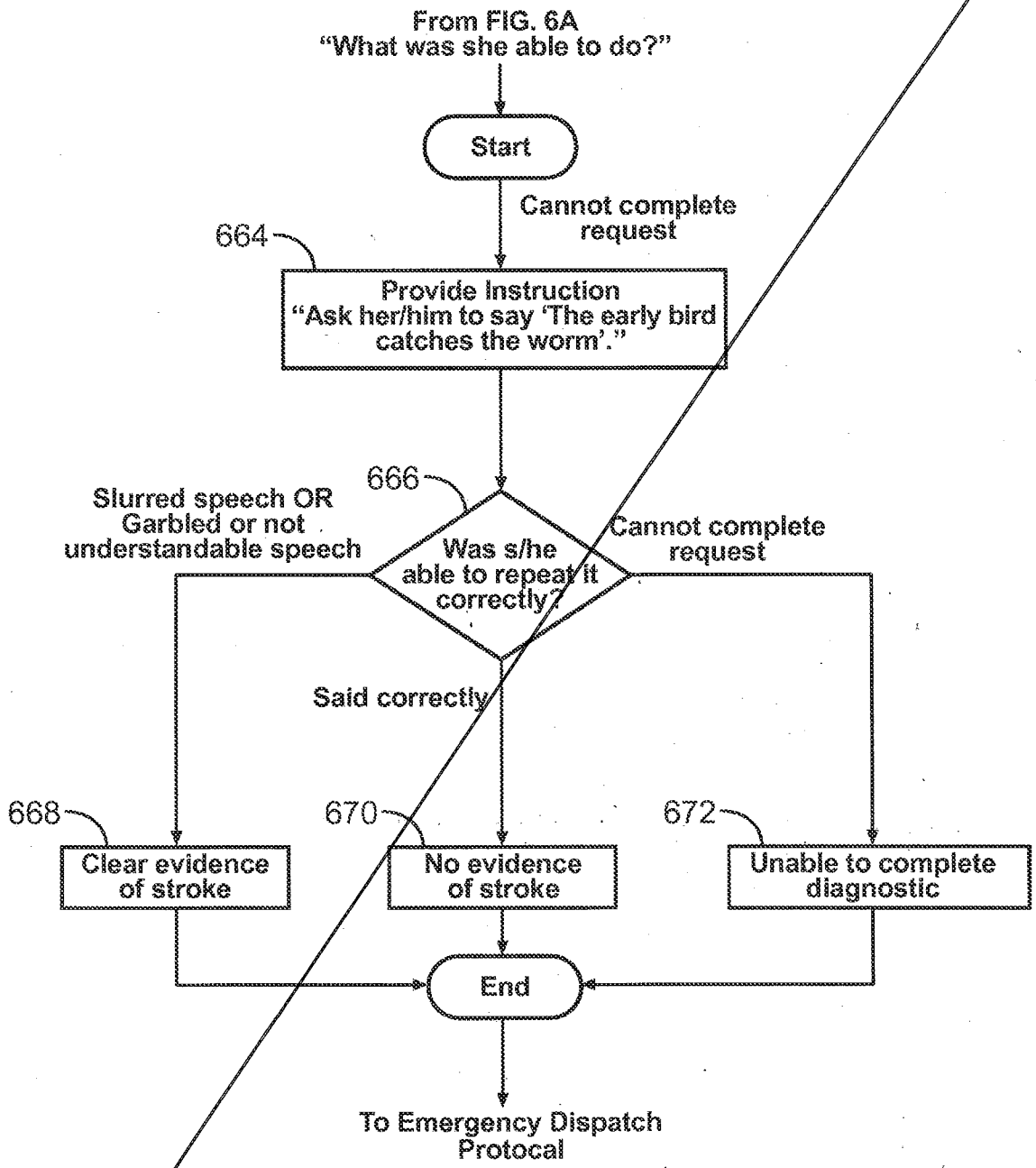

From FIG. 6A
"What was she able to do?"
Start
Cannot complete request
664
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
666
Slurred speech OR Garbled or not understandable speech
Was s/he able to repeat it correctly?
Cannot complete request
Said correctly
668
Clear evidence of stroke
670
No evidence of stroke
672
Unable to complete diagnostic
End
To Emergency Dispatch Protocal

FIG. 6D

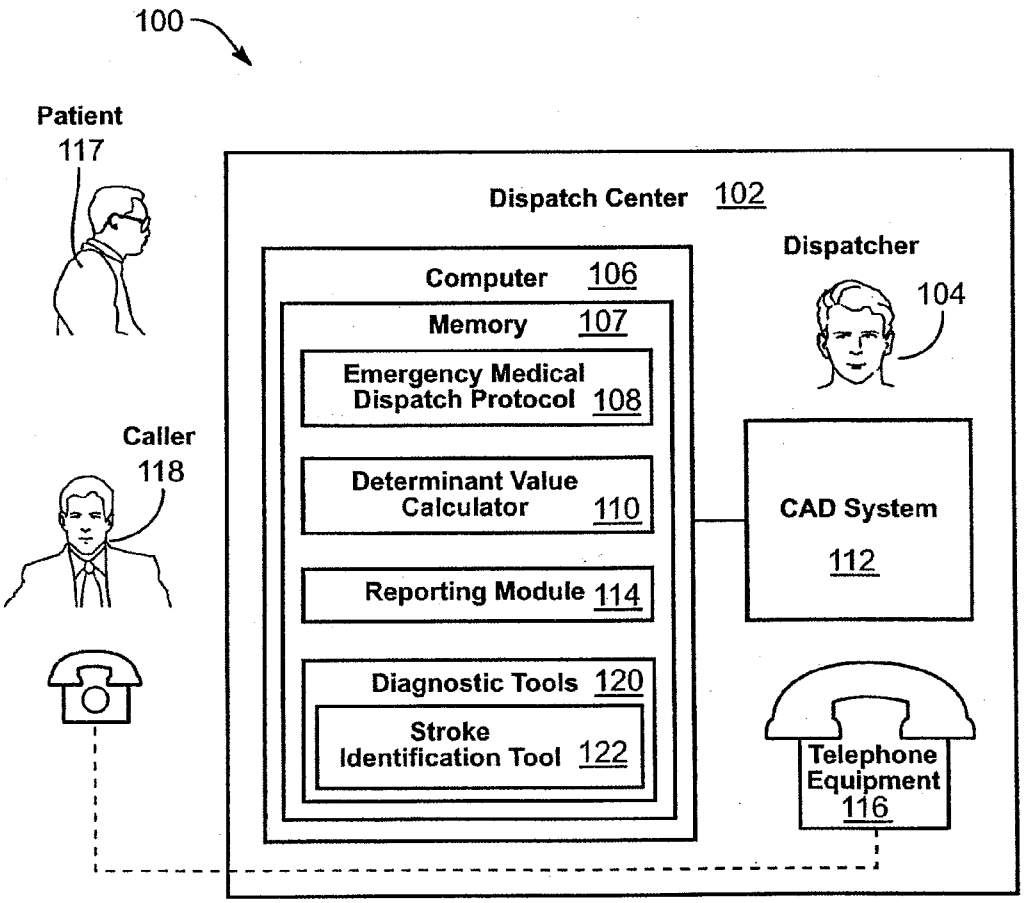

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Stroke Identification Tool 122
Dispatcher
104
CAD System
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Telephone Equipment
116

FIG. 1

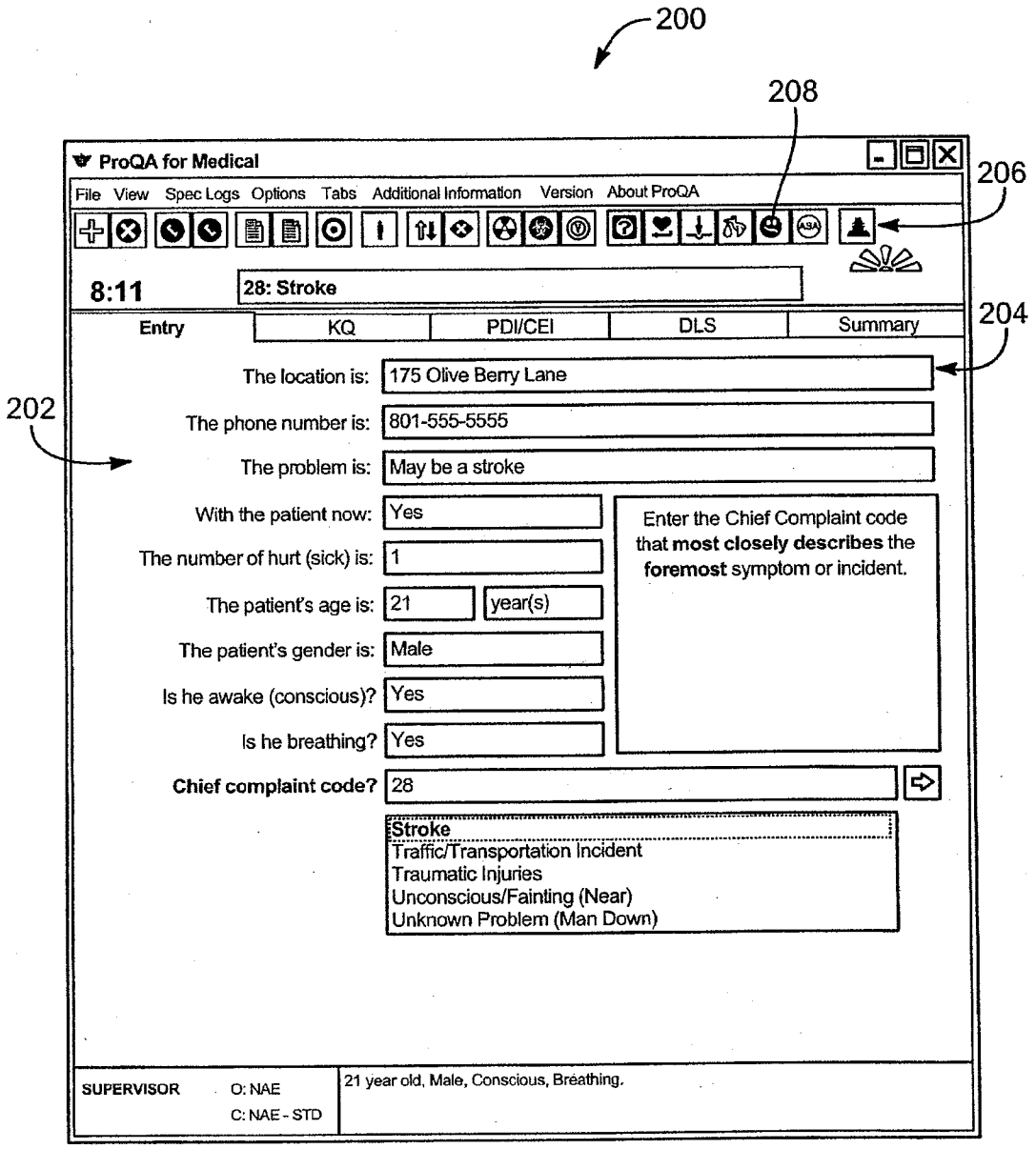

200
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ProQA for Medical
File View Spec Logs Options Tabs Additional Information Version About ProQA
8:11
28: Stroke
Entry
KQ
PDI/CEI
DLS
Summary
The location is: 175 Olive Berry Lane
The phone number is: 801-555-5555
The problem is: May be a stroke
With the patient now: Yes
The number of hurt (sick) is: 1
The patient's age is: 21 year(s)
The patient's gender is: Male
Is he awake (conscious)? Yes
Is he breathing? Yes
Chief complaint code? 28
Enter the Chief Complaint code that most closely describes the foremost symptom or incident.
Stroke
Traffic/Transportation Incident
Traumatic Injuries
Unconscious/Fainting (Near)
Unknown Problem (Man Down)
SUPERVISOR
O: NAE
C: NAE - STD
21 year old, Male, Conscious, Breathing.

FIG. 2

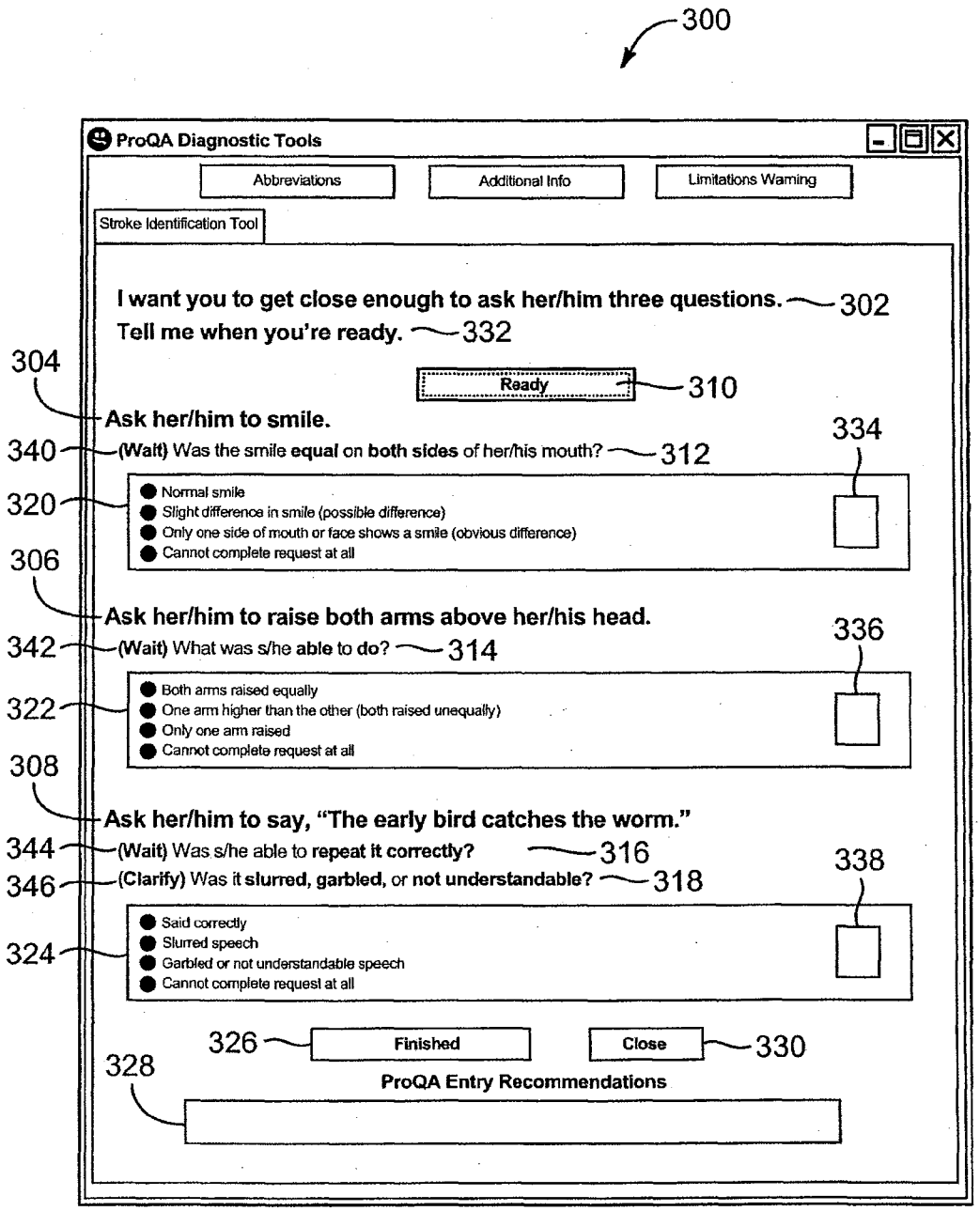

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
304
Ready
310
Ask her/him to smile.
334
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
306
Ask her/him to raise both arms above her/his head.
336
342
(Wait) What was s/he able to do?
314
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
308
Ask her/him to say, "The early bird catches the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3A

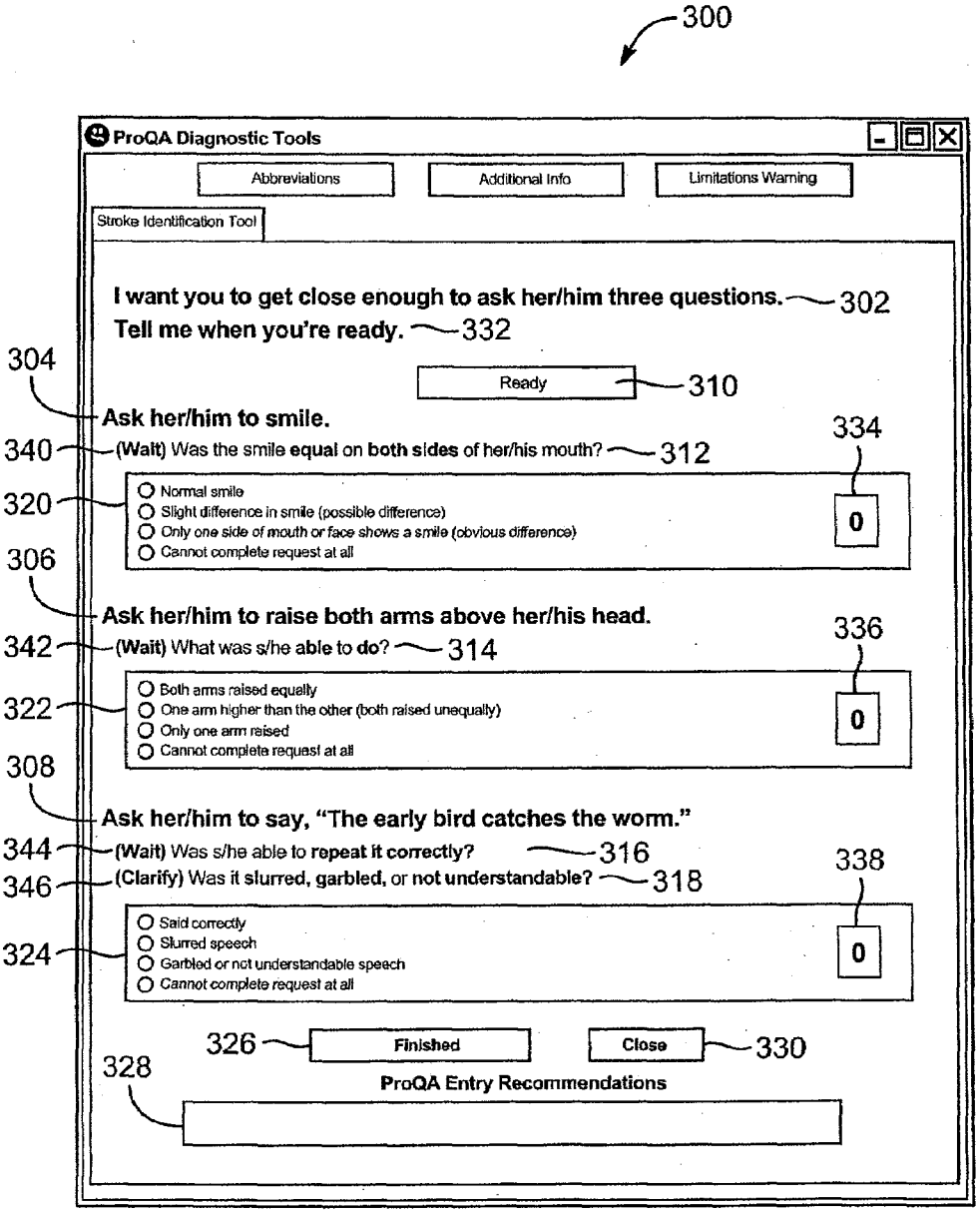

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ProQA Diagnostic Tools
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Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
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Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
334
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
0
306
Ask her/him to raise both arms above her/his head.
336
342
(Wait) What was s/he able to do?
314
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
0
308
Ask her/him to say, "The early bird catches the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
0
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3B

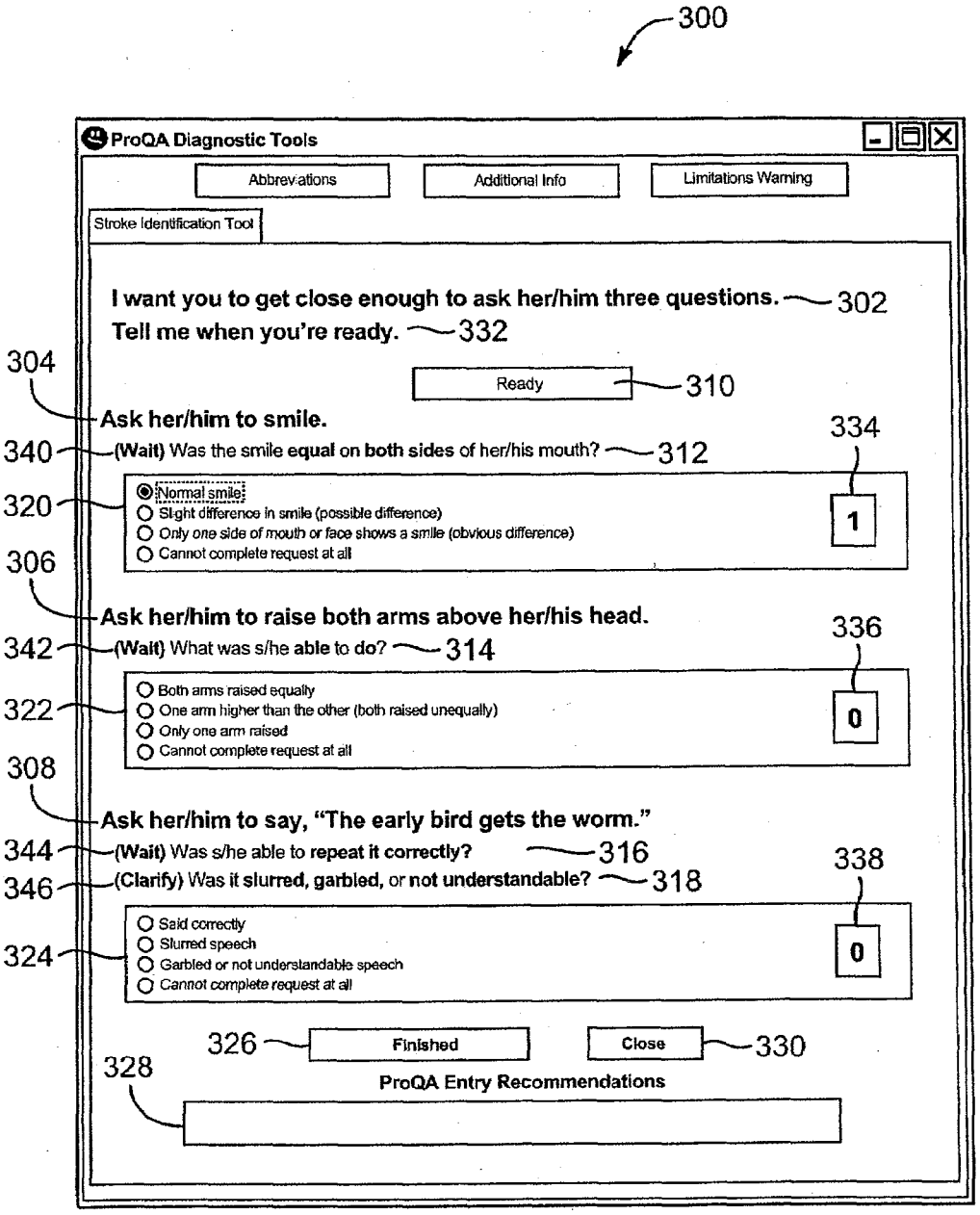

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
334
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
1
306
Ask her/him to raise both arms above her/his head.
336
342
(Wait) What was s/he able to do?
314
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
0
308
Ask her/him to say, "The early bird gets the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
0
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3C

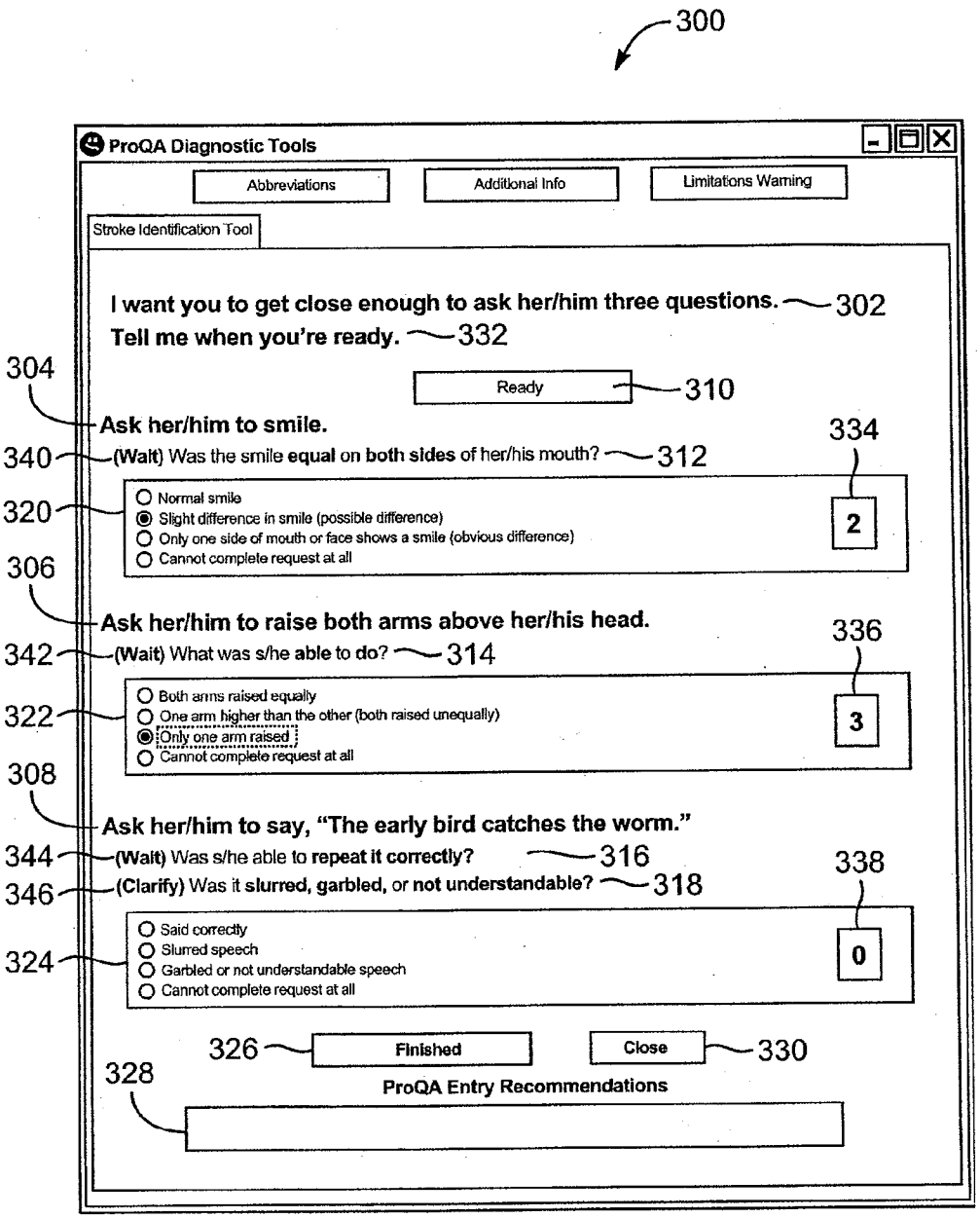

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
334
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
2
306
Ask her/him to raise both arms above her/his head.
336
342
(Wait) What was s/he able to do?
314
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
3
308
Ask her/him to say, "The early bird catches the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
0
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3D

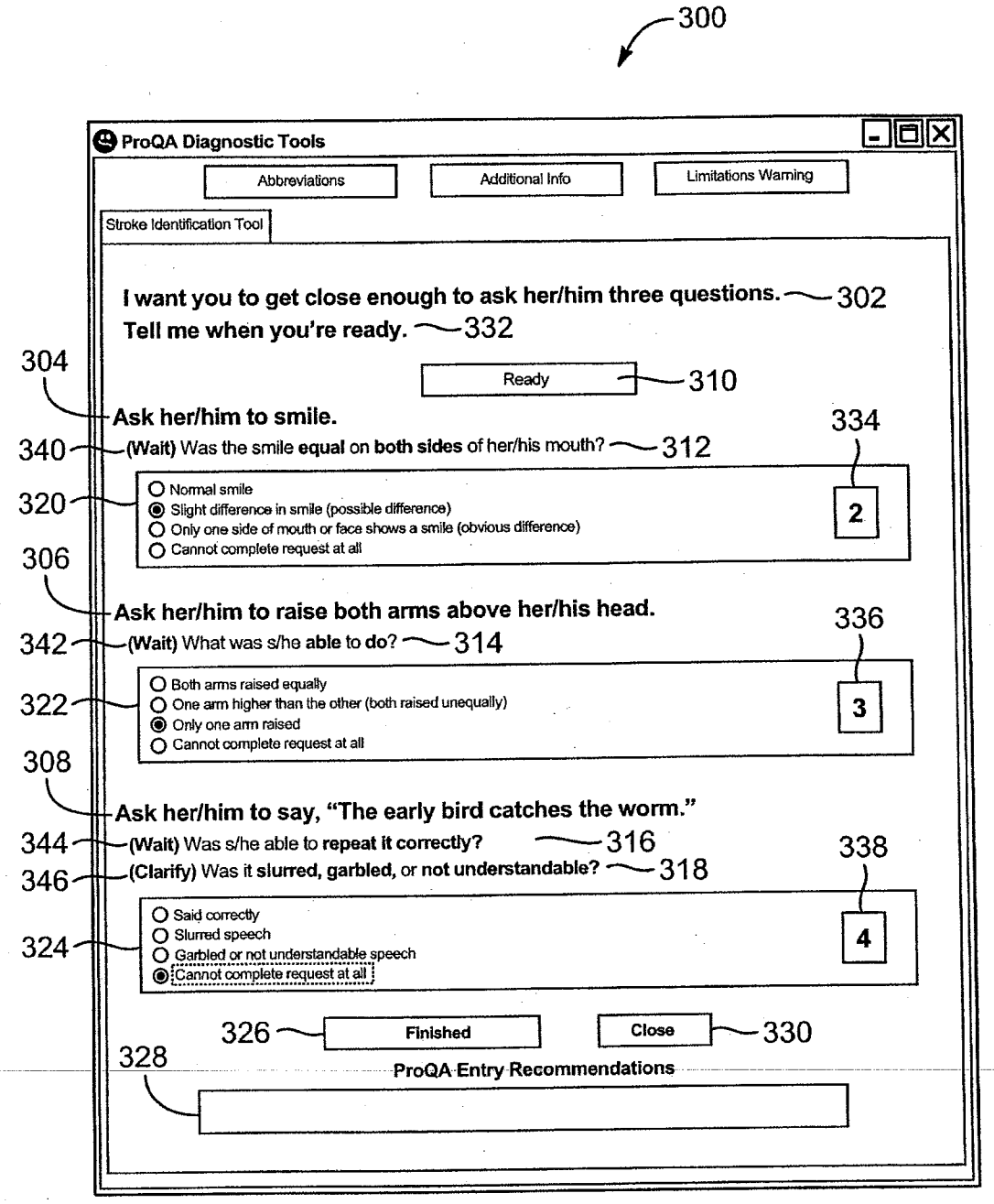

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
334
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
2
306
Ask her/him to raise both arms above her/his head.
336
342
(Wait) What was s/he able to do?
314
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
3
308
Ask her/him to say, "The early bird catches the worm."
338
344
(Wait) Was s/he able to repeat it correctly?
316
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
4
326
Finished
Close
330
328
ProQA Entry Recommendations

FIG. 3E

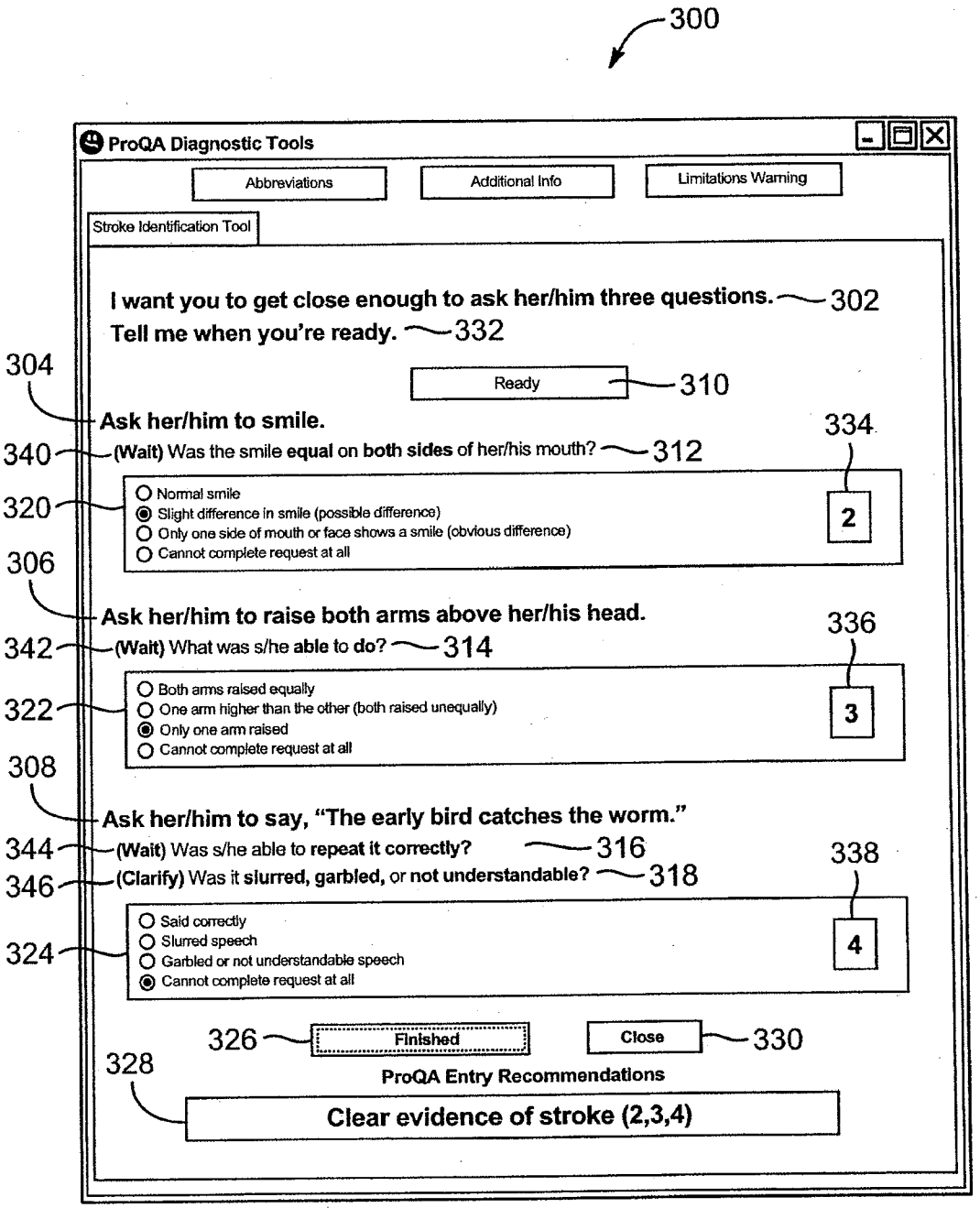

300
ProQA Diagnostic Tools
Abbreviations
Additional Info
Limitations Warning
Stroke Identification Tool
I want you to get close enough to ask her/him three questions.
302
Tell me when you're ready.
332
Ready
310
304
Ask her/him to smile.
334
340
(Wait) Was the smile equal on both sides of her/his mouth?
312
320
Normal smile
Slight difference in smile (possible difference)
Only one side of mouth or face shows a smile (obvious difference)
Cannot complete request at all
2
306
Ask her/him to raise both arms above her/his head.
336
342
(Wait) What was s/he able to do?
314
322
Both arms raised equally
One arm higher than the other (both raised unequally)
Only one arm raised
Cannot complete request at all
3
308
Ask her/him to say, "The early bird catches the worm."
344
(Wait) Was s/he able to repeat it correctly?
316
338
346
(Clarify) Was it slurred, garbled, or not understandable?
318
324
Said correctly
Slurred speech
Garbled or not understandable speech
Cannot complete request at all
4
326
Finished
Close
330
328
ProQA Entry Recommendations
Clear evidence of stroke (2,3,4)

FIG. 3F

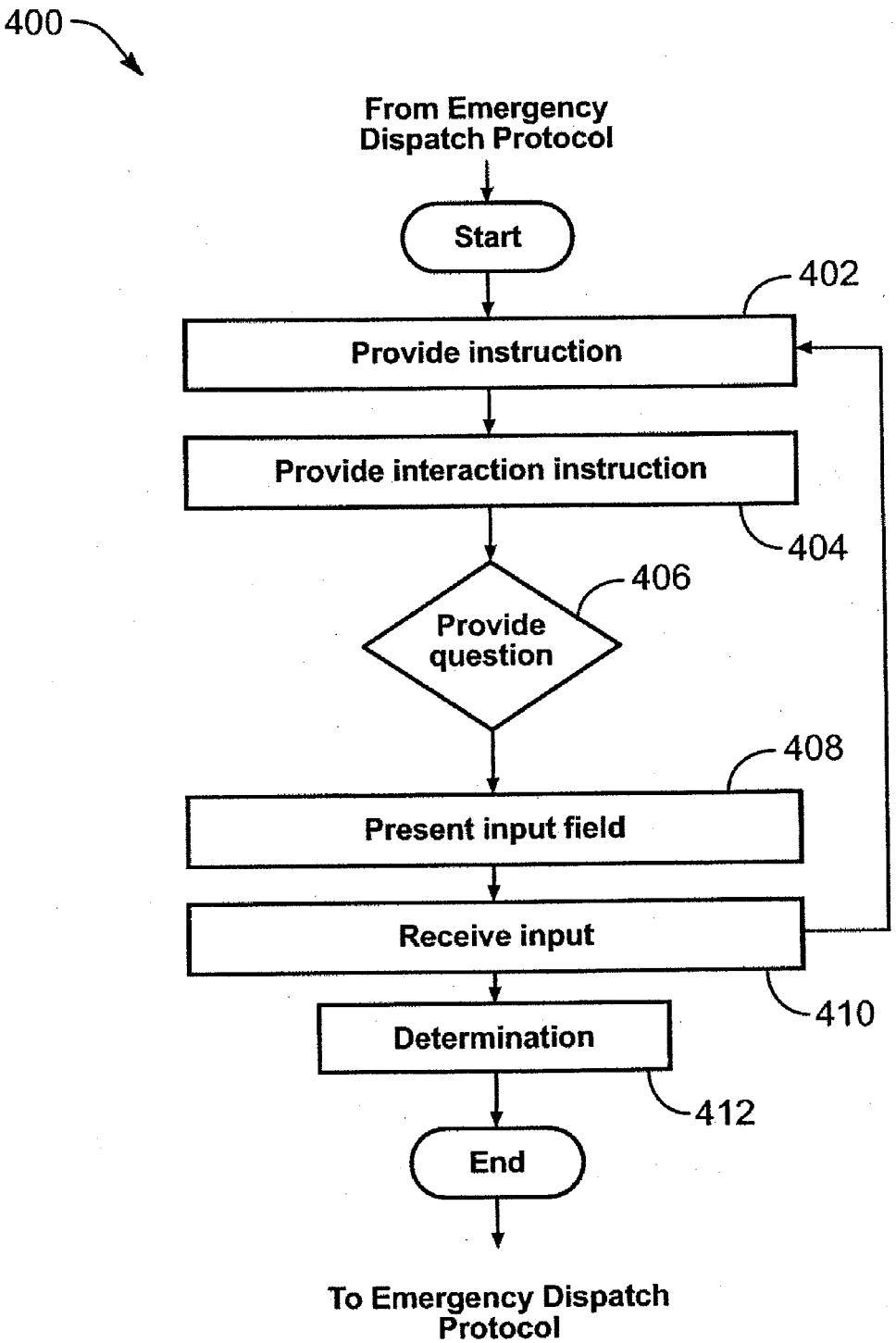

400
From Emergency Dispatch Protocol
Start
402
Provide instruction
Provide interaction instruction
404
406
Provide question
408
Present input field
Receive input
410
Determination
412
End
To Emergency Dispatch Protocol

FIG. 4

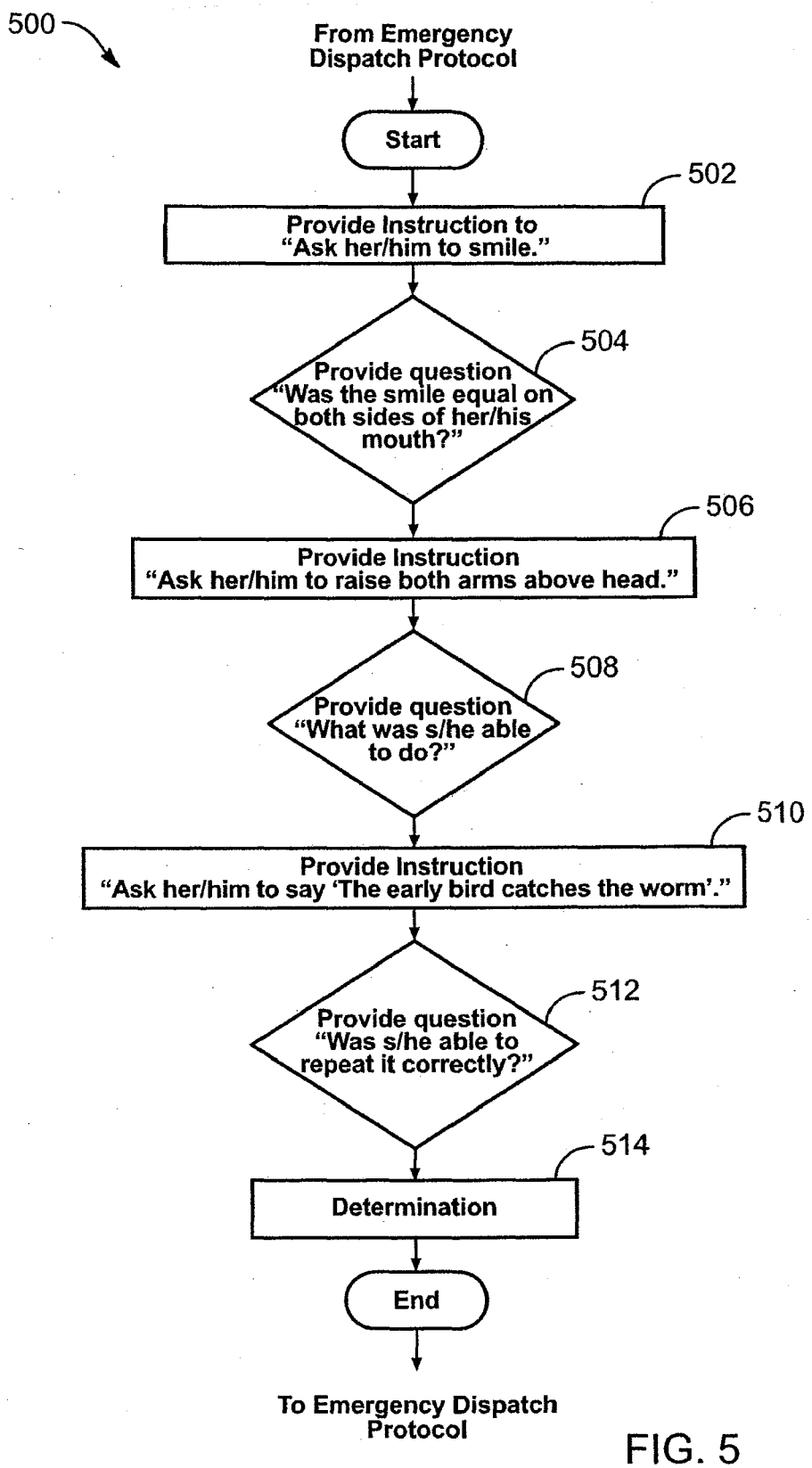

500
From Emergency Dispatch Protocol
Start
502
Provide Instruction to "Ask her/him to smile."
504
Provide question "Was the smile equal on both sides of her/his mouth?"
506
Provide Instruction "Ask her/him to raise both arms above head."
508
Provide question "What was s/he able to do?"
510
Provide Instruction "Ask her/him to say 'The early bird catches the worm'."
512
Provide question "Was s/he able to repeat it correctly?"
514
Determination
End
To Emergency Dispatch Protocol

FIG. 5

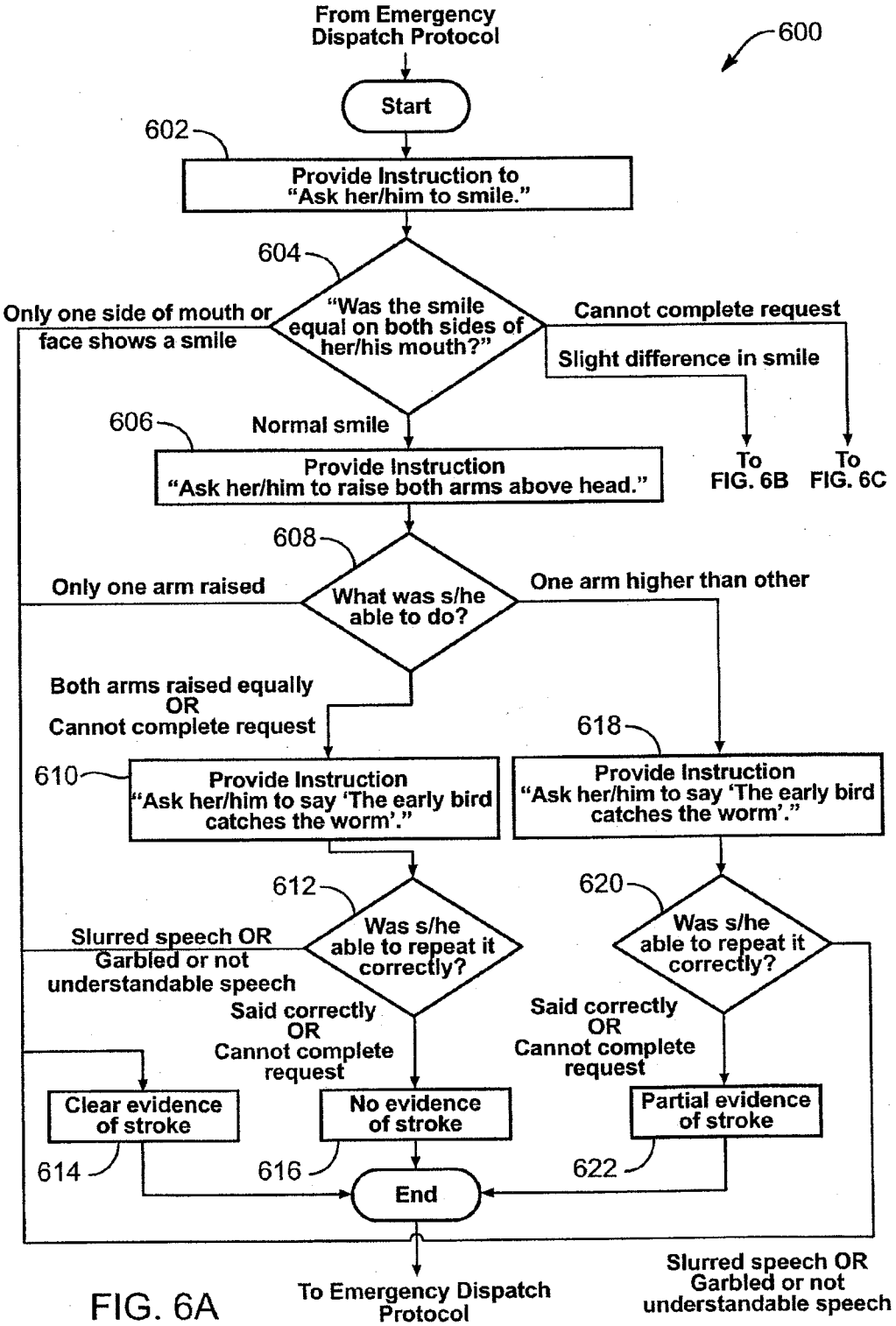

From Emergency Dispatch Protocol
600
Start
602
Provide Instruction to "Ask her/him to smile."
604
"Was the smile equal on both sides of her/his mouth?"
Only one side of mouth or face shows a smile
Cannot complete request
Slight difference in smile
606
Normal smile
Provide Instruction "Ask her/him to raise both arms above head."
To FIG. 6B
To FIG. 6C
608
What was s/he able to do?
Only one arm raised
One arm higher than other
Both arms raised equally OR Cannot complete request
610
Provide Instruction "Ask her/him to say 'The early bird catches the worm'."
618
Provide Instruction "Ask her/him to say 'The early bird catches the worm'."
612
Was s/he able to repeat it correctly?
620
Was s/he able to repeat it correctly?
Slurred speech OR Garbled or not understandable speech
Said correctly OR Cannot complete request
Said correctly OR Cannot complete request
Clear evidence of stroke
No evidence of stroke
Partial evidence of stroke
614
616
622
End
To Emergency Dispatch Protocol
Slurred speech OR Garbled or not understandable speech

FIG. 6A

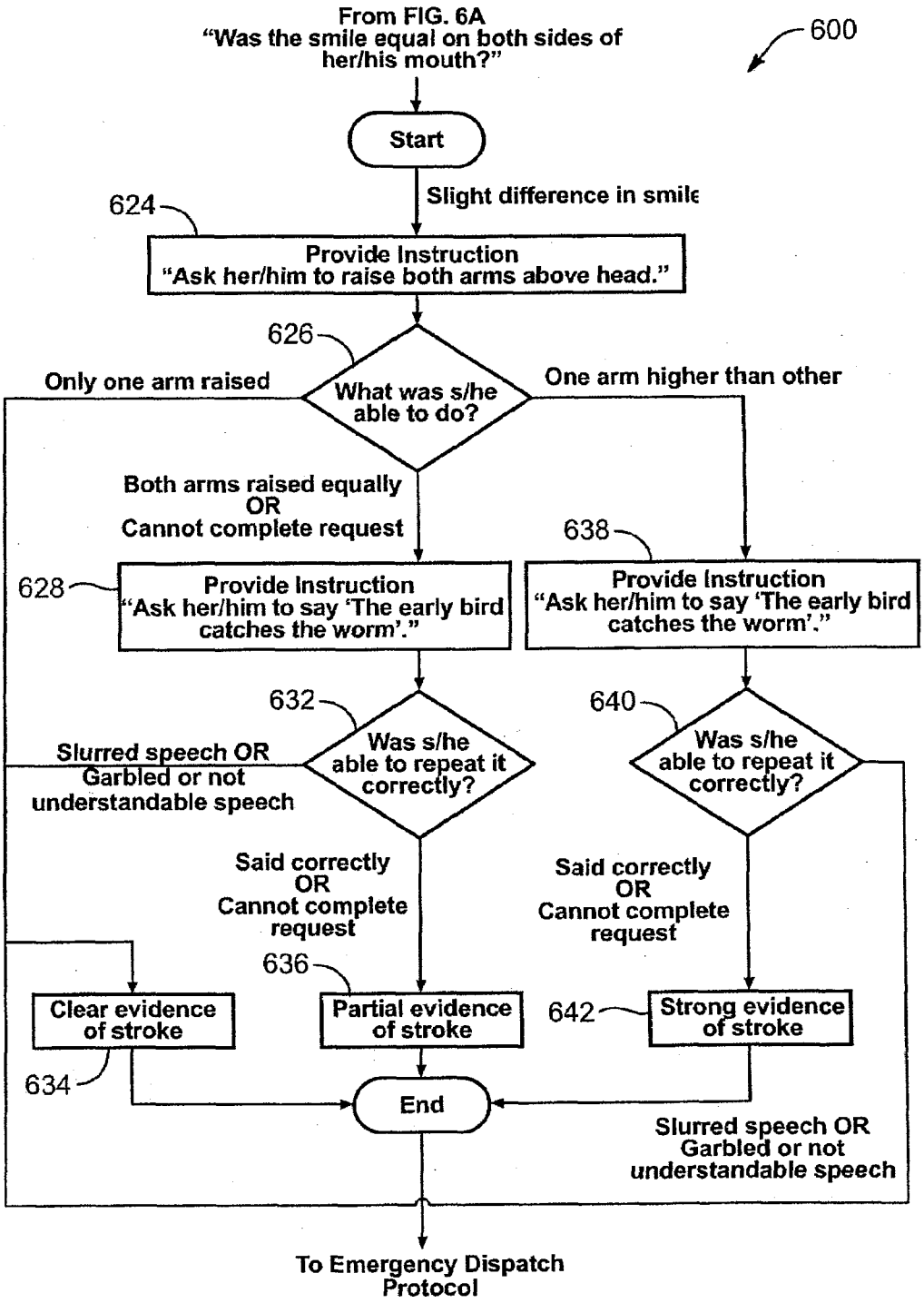

From FIG. 6A
"Was the smile equal on both sides of her/his mouth?"
600
Start
Slight difference in smile
624
Provide Instruction
"Ask her/him to raise both arms above head."
626
What was s/he able to do?
Only one arm raised
One arm higher than other
Both arms raised equally
OR
Cannot complete request
628
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
638
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
632
Was s/he able to repeat it correctly?
Slurred speech OR
Garbled or not understandable speech
640
Was s/he able to repeat it correctly?
Said correctly
OR
Cannot complete request
Said correctly
OR
Cannot complete request
636
Clear evidence of stroke
Partial evidence of stroke
642
Strong evidence of stroke
634
End
Slurred speech OR
Garbled or not understandable speech
To Emergency Dispatch Protocol

FIG. 6B

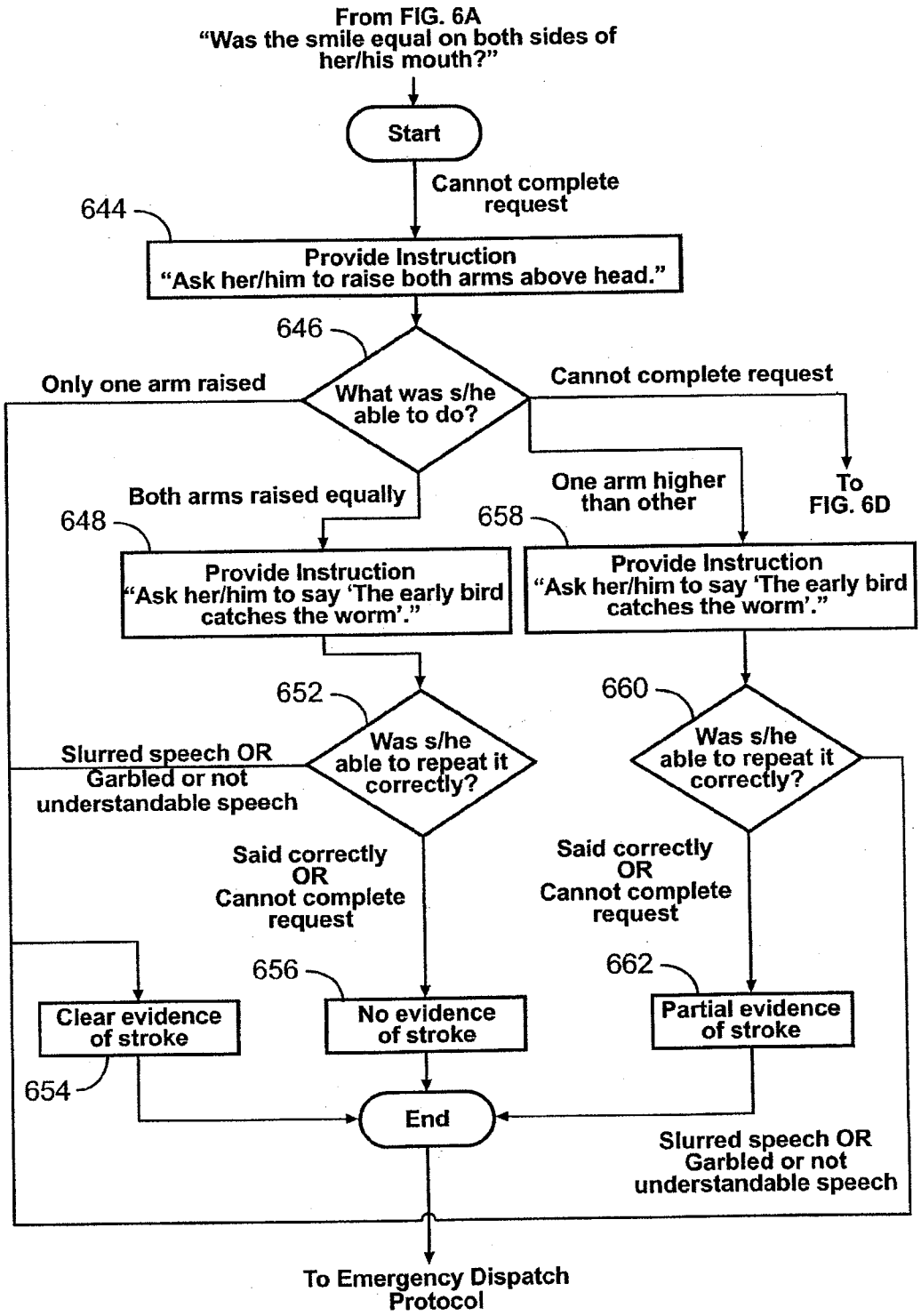

From FIG. 6A
"Was the smile equal on both sides of her/his mouth?"
Start
Cannot complete request
644
Provide Instruction
"Ask her/him to raise both arms above head."
646
What was s/he able to do?
Only one arm raised
Cannot complete request
Both arms raised equally
One arm higher than other
To FIG. 6D
648
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
658
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
652
Was s/he able to repeat it correctly?
660
Was s/he able to repeat it correctly?
Slurred speech OR Garbled or not understandable speech
Said correctly OR Cannot complete request
Said correctly OR Cannot complete request
656
No evidence of stroke
662
Partial evidence of stroke
Clear evidence of stroke
654
End
Slurred speech OR Garbled or not understandable speech
To Emergency Dispatch Protocol

FIG. 6C

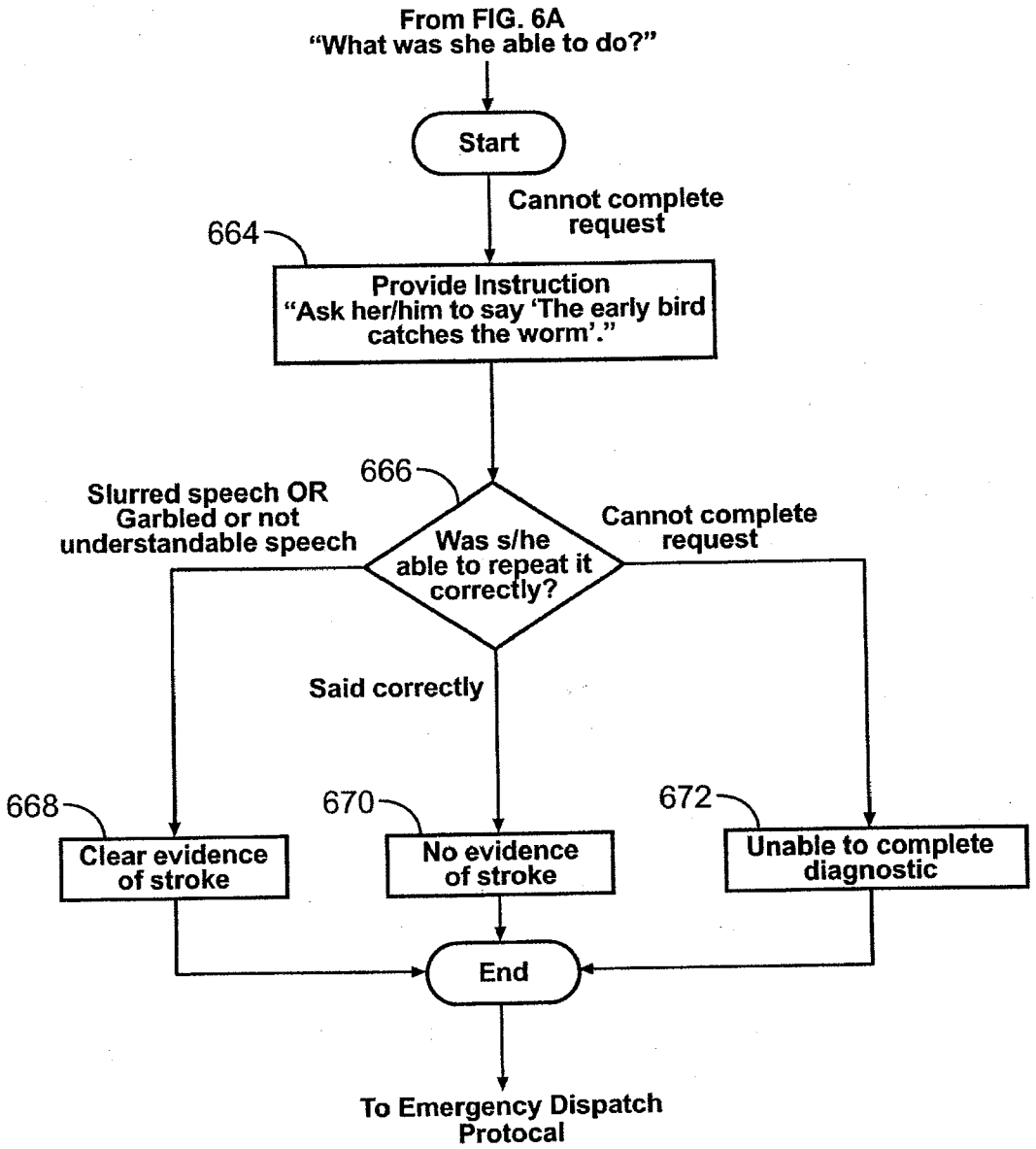

From FIG. 6A
"What was she able to do?"
Start
Cannot complete request
664
Provide Instruction
"Ask her/him to say 'The early bird catches the worm'."
666
Slurred speech OR Garbled or not understandable speech
Was s/he able to repeat it correctly?
Cannot complete request
Said correctly
668
Clear evidence of stroke
670
No evidence of stroke
672
Unable to complete diagnostic
End
To Emergency Dispatch Protocal

FIG. 6D