**Suppl 3.** Level of evidence and assessment results according to technology characteristics (n=243)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **Category** | | **Medical treatment & procedures** | | | | | | | | ***In vitro* diagnostic or genetic testing** | | | | | | | | **Other tests & unclassified** | | | | | | | |
| **A, B (n=37)** | **C (n=19)** | **D (n=45)** |  | **Yes (n=47)** | **No (n=54)** |  | **A, B (n=2)** | | **C (n=54)** | **D (n=34)** |  | **Yes (n=44)** | **No (n=46)** |  | **A, B (n=2)** | | **C (n=29)** | **D (n=21)** |  | **Yes (n=28)** | **No (n=24)** |  |
| Technology characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Field | | Medicine | 35 (38.9) | 18 (20.0) | 37 (41.1) | 0.438 | 44 (48.9) | 46 (51.5) | 0.279 | 2  (2.2) | | 54  (60.0) | 34  (37.8) | - | 44  (48.9) | 46  (51.1) | - | 2  (3.8) | | 29  (55.8) | 21  (40.4) | - | 28  (53.8) | 24  (46.2) | - |
| Dentistry | 2 (22.2) | 1 (11.1) | 6 (66.7) | 2 (22.2) | 7 (77.8) | 0 (0) | | 0  (0) | 0  (0) | 0  (0) | 0  (0) | 0  (0) | | 0  (0) | 0  (0) | 0  (0) | 0  (0) |
| Korean Medicine | 0 (0) | 0 (0) | 2 (100) | 1 (50.0) | 1 (50.0) | 0 (0) | | 0  (0) | 0  (0) | 0  (0) | 0  (0) | 0  (0) | | 0  (0) | 0  (0) | 0  (0) | 0  (0) |
| Degree of invasion | | Low | 10 (35.7) | 3 (10.7) | 15 (53.6) | 2.117 | 10 (35.7) | 18 (64.3) | 1.844 | 2  (2.2) | | 54  (60.0) | 34  (37.8) | - | 44  (48.9) | 46  (51.1) | - | 2  (4.1) | | 27  (55.1) | 20  (40.8) | 1.000 | 26  (53.1) | 23  (46.9) | 1.000 |
| Medium | 16 (36.4) | 10 (22.7) | 18 (40.9) | 22 (50.0) | 22 (50.0) | 0  (0) | | 0  (0) | 0  (0) | 0  (0) | 0  (0) | 0  (0) | | 2  (66.7) | 1  (33.3) | 2  (66.7) | 1  (33.3) |
| High | 11 (37.9) | 6 (20.7) | 12 (41.4) | 15 (51.7) | 14 (48.3) | 0  (0) | | 0  (0) | 0  (0) | 0  (0) | 0  (0) | 0  (0) | | 0  (0) | 0  (0) | 0  (0) | 0  (0) |
| Disease topic | | Certain infectious and parasitic disease | 0 (0) | 1 (100) | 0 (0) | 0.571 | 0 (0) | 1 (100) | 0.756 | 1  (6.7) | | 9  (60.0) | 5  (33.3) | 0.670 | 7  (46.7) | 8  (53.3) | 0.178 | 0  (0) | | 7  (63.6) | 4  (36.4) | 0.150 | 0  (0) | 0  (0) | 0.891 |
| Neoplasms | 2 (13.3) | 4 (26.7) | 9 (60.0) | 8 (53.3) | 7 (46.7) | 0  (0) | | 15  (71.4) | 6  (28.6) | 12  (57.1) | 9  (42.9) | 0  (0) | | 0  (0) | 2  (100.0) | 4  (36.4) | 7  (63.6) |
| The nervous system | 1 (16.7) | 1 (16.7) | 4 (66.7) | 3 (50.0) | 3 (50.0) | 1  (11.1) | | 3  (33.3) | 5  (55.6) | 3  (33.3) | 6  (66.7) | 0  (0) | | 3  (33.3) | 6  (66.7) | 1  (50.0) | 1  (50.0) |
| The eye and adnexa | 1 (20.0) | 1 (20.0) | 3 (60.0) | 3 (60.0) | 2 (40.0) | 0  (0) | | 0  (0) | 0  (0) | 0  (0) | 0  (0) | 0  (0) | | 0  (0) | 0  (0) | 5  (55.6) | 4  (44.4) |
| The circulatory system | 5 (45.5) | 1 (9.1) | 5 (45.5) | 7 (63.6) | 4 (36.4) | 0  (0) | | 1  (33.3) | 2  (66.7) | 2  (66.7) | 1  (33.3) | 0  (0) | | 8  (72.7) | 3  (27.3) | 6  (54.5) | 5  (45.5) |
| The respiratory system | 4 (40.0) | 2 (40.0) | 4 (40.0) | 4 (40.0) | 6 (60.0) | 0  (0) | | 1  (50.0) | 1  (50.0) | 2  (100.0) | 0  (0) | 0  (0) | | 1  (100.0) | 0  (0) | 1  (100.0) | 0  (0) |
| The digestive system | 1 (33.3) | 0 (0) | 2 (66.7) | 1 (33.3) | 2 (66.7) | 0  (0) | | 7  (63.6) | 4  (36.4) | 7  (63.6) | 4  (36.4) | 1  (50.0) | | 0  (0) | 1  (50.0) | 1  (50.0) | 1  (50.0) |
| The musculoskeletal system a connective tissue | 7 (41.2) | 2 (11.8) | 8 (47.1) | 5 (29.5) | 12 (70.6) | 0  (0) | | 5  (55.6) | 4  (44.4) | 1  (11.1) | 8  (88.9) | 0  (0) | | 1  (50.0) | 1  (50.0) | 2  (100.0) | 0  (0) |
| Othersa) | 16 (48.5) | 7 (21.2) | 10 (30.3) | 16 (48.5) | 17 (51.5) | 0  (0) | | 13  (65.0) | 7  (35.0) | 10  (50.0) | 10  (50.0) | 1  (7.1) | | 9  (64.3) | 4  (28.6) | 8  (57.1) | 6  (42.9) |
| Evaluation methods | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Involvement of Methodologist | | Yes | 36 (39.1) | 18 (19.6) | 38 (41.3) | 0.117 | 43 (46.7) | 49 (53.3) | 1.000 | 1  (1.3) | | 47  (62.7) | 27  (36.0) | 2.510 | 40  (53.3) | 35  (46.7) | 3.557 | 2  (4.3) | | 26  (56.5) | 18  (39.1) | 0.755 | 26  (56.5) | 20  (43.5) | 0.397 |
| No | 1 (11.1) | 1 (11.1) | 7 (77.8) | 4 (44.4) | 5 (55.6) | 1  (6.7) | | 7  (46.7) | 7  (46.7) | 4  (26.7) | 11  (73.3) | 0  (0) | | 3  (50.0) | 3  (50.0) | 2  (33.3) | 4  (66.7) |
| Meta-  analysis | | Yes | 11 (84.6) | 1 (7.7) | 1 (7.7) | **14.908†** | 9 (69.2) | 4 (30.8) | 3.089 | 1  (5.3) | | 12  (63.2) | 6  (31.6) | 1.287 | 9  (47.4) | 10  (52.6) | 0.022 | 0  (0) | | 11  (91.7) | 1  (8.3) | 0.010 | 6  (50.0) | 6  (50.0) | 0.093 |
| No | 26 (29.5) | 18 (20.5) | 44 (50.0) | 38 (43.2) | 50 (56.8) | 1  (1.4) | | 42  (59.2) | 28  (39.4) | 35  (49.3) | 36  (50.7) | 2  (5.0) | | 18  (45.0) | 20  (50.0) | 22  (55.0) | 18  (45.0) |
| Individual studies included in the evaluation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Systematic review | | Yes | 2 (50.0) | 1 (25.0) | 1 (25.0) | 0.668 | 1 (25.0) | 3 (75.0) | 0.621 | 0  (0) | | 0  (0) | 0  (0) | - | 0  (0) | 0  (0) | - | 0  (0) | | 0  (0) | 0  (0) | - | 0  (0) | 0  (0) | - |
| No | 35 (36.1) | 18 (18.6) | 44 (45.4) | 46 (47.4) | 51 (52.6) | 2  (2.2) | | 54  (60.0) | 34  (37.8) | 44  (48.9) | 46  (51.1) | 2  (3.8) | | 29  (55.8) | 21  (40.4) | 28  (53.8) | 24  (46.2) |
| Randomized controlled trials | | Yes | 35 (62.5) | 11 (19.6) | 10 (17.9) | **43.108‡** | 29 (51.8) | 27 (48.2) | 0.238 | 0  (0) | | 1  (100.0) | 0  (0) | 1.000 | 1  (100.0) | 0  (0) | 0.489 | 1  (33.3) | | 1  (33.3) | 1  (33.3) | 0.113 | 0  (0) | 3  (100.0) | 0.092 |
| No | 2 (4.4) | 8 (17.8) | 35 (77.8) | 18 (40.0) | 27 (60.0) | 2  (2.2) | | 53  (59.6) | 34  (38.2) | 43  (48.3) | 46  (51.7) | 1  (2.0) | | 28  (57.1) | 20  (40.8) | 28  (57.1) | 21  (42.9) |
| Non-randomized study | | Yes | 6 (60.0) | 1 (10.0) | 3 (30.0) | 0.371 | 5 (50.0) | 5 (50.0) | 0.540 | 0  (0) | | 0  (0) | 0  (0) | - | 0  (0) | 0  (0) | - | 0  (0) | | 0  (0) | 0  (0) | - | 0  (0) | 0  (0) | - |
| No | 31 (34.1) | 18 (19.8) | 42 (46.2) | 42 (46.2) | 49 (53.8) | 2  (2.2) | | 54  (60.0) | 34  (37.8) | 44  (48.9) | 46  (51.1) | 2  (3.8) | | 29  (55.8) | 21  (40.4) | 28  (53.8) | 24  (46.2) |
| Cohort study | | Yes | 19 (39.6) | 17 (35.4) | 12 (25.0) | **21.474‡** | 31 (64.6) | 17 (35.4) | **11.976†** | 2  (8.3) | | 18  (75.0) | 4  (16.7) | **10.588†** | 13  (54.2) | 11  (45.8) | 0.365 | 0  (0) | | 9  (81.8) | 2  (18.2) | 0.153 | 6  (54.5) | 5  (45.5) | 0.003 |
| No | 18 (34.0) | 2 (3.8) | 33 (62.3) | 16 (30.2) | 37 (69.8) | 0  (0) | | 36  (54.5) | 30  (45.5) | 31  (47.0) | 35  (53.0) | 2  (4.9) | | 20  (48.8) | 19  (46.3) | 22  (53.7) | 19  (46.3) |
| Diagnostic test accuracy design | | Yes | 2 (40.0) | 2 (40.0) | 1 (20.0) | 0.267 | 4 (80.0) | 1 (20.0) | 0.181 | 1  (1.6) | | 43  (67.2) | 20  (31.2) | 4.840 | 34  (53.1) | 30  (46.9) | 1.591 | 1  (2.5) | | 28  (70.0) | 11  (27.5) | 0.000 | 23  (57.5) | 17  (42.5) | 0.931 |
| No | 35 (36.5) | 17 (17.7) | 44 (45.8) | 43 (44.8) | 53 (53.5) | 1  (3.8) | | 11  (42.3) | 14  (53.8) | 10  (38.5) | 15  (61.5) | 1  (8.3) | | 1  (8.3) | 10  (83.3) | 5  (41.7) | 7  (58.3) |
| Comparative Study | | Yes | 1 (50.0) | 0 (0) | 1 (50.0) | 1.000 | 1 (50.0) | 1 (50.0) | 1.000 | 2  (2.2) | | 54  (60.0) | 34  (37.8) | - | 0  (0) | 0  (0) | - | 0  (0) | | 0  (0) | 1  (100.0) | 0.442 | 1  (100.0) | 0(0) | 1.000 |
| No | 36 (36.4) | 19 (19.2) | 44 (44.4) | 46 (46.5) | 53 (53.5) | 0  (0) | | 0  (0) | 0  (0) | 44  (48.9) | 46  (51.1) | 2  (3.9) | | 29  (56.9) | 20  (39.2) | 27  (52.9) | 24  (47.1) |
| Case-control study | | Yes | 1 (100) | 0 (0) | 0 (0) | 0.554 | 1 (100) | 0 (0) | 0.465 | 0  (0) | | 2  (66.7) | 1  (33.3) | 1.000 | 1  (33.3) | 2  (66.7) | 1.000 | 0  (0) | | 1  (50.0) | 1  (50.0) | 1.000 | 1  (50.0) | 1  (50.0) | 1.000 |
| No | 36 (36.0) | 19 (19.0) | 45 (45.0) | 46 (46.0) | 54 (54.0) | 2  (2.3) | | 52  (59.8) | 33  (37.9) | 43  (49.4) | 44  (50.6) | 2  (4.0) | | 28  (56.0) | 20  (40.0) | 27  (54.0) | 23  (46.0) |
| Before-and-after study | | Yes | 16 (26.2) | 12 (19.7) | 33  (54.1) | **7.761\*** | 6 (50.0) | 6 (50.0) | 0.066 | 0  (0) | | 0  (0) | 0  (0) | - | 0  (0) | 0  (0) | - | 0  (0) | | 0  (0) | 2  (100.0) | 0.235 | 2  (100.0) | 0 (0) | 0.493 |
| No | 21 (52.5) | 7 (17.5) | 12  (30.0) | 41 (46.1) | 48 (53.9) | 2  (2.2) | | 54  (60.0) | 34  (37.8) | 44  (48.9) | 46  (51.1) | 2  (4.0) | | 29  (58.0) | 19  (38.0) | 26  (52.0) | 24  (48.0) |
| Case series | | Yes | 6 (22.2) | 7 (25.9) | 14 (51.9) | 3.521 | 31 (50.8) | 30 (49.2) | 1.137 | 0  (0) | | 6  (40.0) | 9  (60.0) | 3.953 | 6  (40.0) | 9  (60.0) | 0.569 | 0  (0) | | 1  (8.3) | 11  (91.7) | 0.000 | 7  (58.3) | 5  (41.7) | 0.126 |
| No | 31 (41.9) | 12 (16.2) | 31 (41.9) | 16 (40.0) | 24 (60.0) | 2  (2.7) | | 48  (64.0) | 25  (33.3) | 38  (50.7) | 37  (49.3) | 2  (5.0) | | 28  (70.0) | 10  (25.0) | 21  (52.5) | 19  (47.5) |
| Case reports | | Yes | 5 (41.7) | 2 (16.7) | 5 (41.7) | 0.153 | 15 (55.6) | 12 (44.4) | 1.205 | 0  (0) | | 0  (0) | 0  (0) | - | 0  (0) | 0  (0) | - | 0  (0) | | 1  (14.3) | 6  (85.7) | 0.057 | 4  (57.1) | 3  (42.9) | 1.000 |
| No | 32 (36.0) | 17 (19.1) | 40 (44.9) | 32 (43.2) | 42 (56.8) | 2  (2.2) | | 54  (60.0) | 34  (37.8) | 44  (48.9) | 46  (51.1) | 2  (4.4) | | 28  (62.2) | 15  (33.3) | 24  (53.3) | 21  (46.7) |
| Othersb) | | Yes | 3 (50.0) | 0 (0) | 3 (50.0) | 0.654 | 1 (16.7) | 5 (83.3) | 0.211 | 0  (0) | | 2  (33.3) | 4  (66.7) | 0.304 | 3  (50.0) | 3  (50.0) | 1.000 | 0  (0) | | 0  (0) | 0  (0) | - | 0  (0) | 0  (0) | - |
| No | 34 (35.8) | 19 (20.0) | 42 (44.2) | 46 (48.4) | 49 (51.6) | 2  (2.4) | | 52  (61.9) | 30  (35.7) | 41  (48.8) | 43  (51.2) | 2  (3.8) | | 29  (55.8) | 21  (40.4) | 28  (53.8) | 24  (46.2) |
| Study conducted in Korea | | Yes | 12 (26.1) | 10 (21.7) | 24 (52.2) | 4.050 | 23 (50.0) | 23 (50.0) | 0.408 | 1  (2.3) | | 30  (68.2) | 13  (29.5) | 2.506 | 23  (52.3) | 21  (47.7) | 0.394 | 1  (3.7) | | 15  (55.6) | 11  (40.7) | 0.005 | 12  (44.4) | 15  (55.6) | 1.997 |
| No | 25 (45.5) | 9 (16.4) | 21 (38.2) | 24 (43.6) | 31 (56.4) | 1  (2.2) | | 24  (52.2) | 21  (45.7) | 21  (45.7) | 25  (54.3) | 1  (4.0) | | 14  (56.0) | 10  (40.0) | 16  (64.0) | 9  (36.0) |

Values are presented as number (%).

a)Others (n>10): blood and blood-forming organs and certain disorders involving the immune mechanism, endocrine, nutritional and metabolic disease, mental and behavioral disorders, ear and mastoid process, skin and subcutaneous tissue, genitourinary system, pregnancy, childbirth and the puerperium, certain conditions originating in the perinatal period, not mentioned. b)Including editorial, clinical trial reports.

\**P*<0.05, †*P*<0.01, ‡*P*<0.001.