Article title: Most lesions associated with traumatic anterior shoulder dislocations do not increase in prevalence after recurrence: A systematic review and meta-analysis of 1920 shoulders.

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Table 1: Demographics of studies: File type: .pdf. This table describes the demographics of all included studies (n=22), sorted by publishing date. R. = Retrospective, P. = Prospective, M/F = Male/Female, SD = Standard Deviation.

Table 2: JBI Critical Appraisal Checklist for Prevalence Studies. File type: .pdf. This table shows the JBI critical appraisal for each individual study. The appraisal consists of nine question that can be answered with ‘Yes’, ‘No’, ‘Unsure’, ‘Not applicable’ or ‘Unsure’. After answering these questions, a decision can be made to include or exclude the study. Q = Question, Y = Yes, N = No.

Table 3: Prevalence of lesions per study File type: .pdf. This table shows the prevalence of lesions in percentages for each individual study and a pooled average.
| Author (Year)          | Country    | Design | N of shoulder | M/F ratio | Mean age (years) ± SD | Modality | Indication                                | Population characteristics |
|-----------------------|------------|--------|---------------|-----------|-----------------------|----------|-------------------------------------------|-----------------------------|
| Takase (2005)         | Japan      | P      | 30            | 26/4      | 28 ± 5.6              | Arthroscopy | Bankart procedure                        | General population         |
| Widjaja (2006)        | Australia  | R      | 61            | 41/20     | 34.1 ± 13.0           | MRI      | Diagnostic MRI                            | General population         |
| Yiannakopoulos (2007)| Greece     | P      | 127           | 127/0     | 23.8 ± 2.3            | Arthroscopy | Operative arthroscopic                   | Males                      |
| Arrigoni (2008)       | USA        | R      | 33            | 29/4      | 25 ± 8.9              | Arthroscopy | Latarjet procedure                       | General population         |
| Kim (1) (2010)        | South-Korea| P      | 144           | 137/7     | 24.8 ± 10.4           | Arthroscopy | Diagnostic arthroscopic + MRA            | Military                   |
| Liavaag (2010)        | Norway     | P      | 42            | 33/9      | 26.7 ± 1.1            | MRI      | Diagnostic MRI                            | General population         |
| Owens (2010)          | USA        | R      | 14            |           |                       | Arthroscopy | Surgery                                   | Military                   |
| Kim (2) (2010)        | South-Korea| R      | 40            | 37/3      | 23.8 ± 4.2            | MRA+Arthroscopy | Diagnostic MRA                           | General population         |
| Carrazzone (2011)     | Brazil     | R      | 57            |           | 27.3 ± 6.2            | Arthroscopy | Surgery                                   | General population         |
| Gutierrez (2012)      | Chile      | R      | 96            |           | 28.2                  | Arthroscopy | Arthroscopic surgery                       | Athletes                   |
| Zhu (2013)            | China      | R      | 14            | 12/2      | 36.2                  | Arthroscopy | Arthroscopic surgery                      | Department of Sports medicine |
| Kurokawa (2013)       | Japan      | R      | 100           | 72/28     | 28 ± 10.1             | CT       | Diagnostic CT                             | General population         |
| Ozaki (2014)          | Japan      | R      | 142           | 122/20    | 22.8 ± 15.8           | Arthroscopy | Arthroscopic Bankart repair               | Athletes                   |
| Atef (2015)           | Egypt      | P      | 240           | 176/64    | 35.2 ± 7.0            | MRI      | Traumatic anterior Dislocation            | General population         |
| Ellis (2015)          | USA        | R      | 114           | 87/27     | 15.13                 | Arthroscopy | Recurrent dislocation                     | General population         |
| Robinson (2015)       | USA        | R      | 28            | 22/5      | 55 ± 9.6              | Arthroscopy | Surgery                                   | Older than 35              |
| Shin (2016)           | South-Korea| R      | 122           | 113/9     | 25.9 ± 3.9            | Arthroscopy | Arthroscopic stabilization                | General population         |
| Madhu (2017)          | India      | P      | 25            | 23/2      | 24.7 ± 7.8            | MRA      | Diagnostic MRA                            | General population         |
| Hugg (2017)           | USA        | P      | 172           | 144/28    | 25.3 ± 8.5            | Arthroscopy | Surgical stabilization                    | General population         |
| Nakagawa (2017)       | Japan      | R      | 172           | 146/26    | 23.3 ± 10.1           | Arthroscopy | Bankart repair                            | General population         |
| Nakagawa (2019)       | Japan      | R      | 47            | 41/6      | 17.5 ± 3.4            | CT       | Diagnostic CT                             | Athletes                   |
| Eren (2020)           | Turkey     | R      | 75            | 41/34     | 51.6 ± 6.2            | Arthroscopy | Arthroscopic instability surgery          | Between 40-60 years old   |
Table 2: JBI Critical Appraisal Checklist for Prevalence Studies.

| Author               | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Overall appraisal |
|----------------------|----|----|----|----|----|----|----|----|----|-------------------|
| Takase (2005)        | N  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Widjaja (2006)       | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Yiannakopoulos (2007)| Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Arrigoni (2008)      | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Kim (1) (2010)       | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Liavaag (2010)       | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Owens (2010)         | Y  | Y  | Y  | Y  | N  | Y  | Y  | Y  | Y  | Include           |
| Kim (2) (2010)       | Y  | Y  | Y  | Y  | Y  | Y  | Y  | N  | Y  | Include           |
| Carrazzone (2011)    | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Gutierrez (2012)     | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Zhu (2013)           | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Kurokawa (2013)      | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Ozaki (2014)         | Y  | Y  | Y  | N  | Y  | Y  | Y  | Y  | Y  | Include           |
| Atef (2015)          | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Ellis (2015)         | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Robinson (2015)      | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Shin (2016)          | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Madhu (2017)         | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Rugg (2017)          | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Nakagawa (2017)      | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Nakagawa (2019)      | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
| Eren (2020)          | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Y  | Include           |
Table 3: Prevalence of lesions per study

| Author (year) | Shoulders (n) | Hill-Sachs (%) | Bankart (%) | Bony Bankart (%) | ALPSA (%) | Capsular lesion (%) | SLAP (%) | GLAD (%) | Rotator cuff tear (%) | Long head of the biceps lesion (%) | Glenoid lesion (%) | Chondral lesion (%) | Perthes (%) | Loose body (%) |
|---------------|---------------|---------------|-------------|------------------|-----------|---------------------|----------|---------|---------------------|------------------------|------------------|------------------|-----------|-----------------|
| Takase (2005) | 30            | 80            | 100         | 43               | 90        | 7                  |          |         |                     |                        |                  |                  |           |                 |
| Widjaja (2006)| 61            | 69            | 72          |                  |           |                     |          |         |                     |                        |                  |                  |           |                 |
| Yiannakopoulos (2007) | 127   | 88            | 84          | 11               | 10        | 2                  | 21       | 11      | 13                  |                        |                  |                  |           | 17              |
| Arrigoni (2008) | 33            | 76            |             |                  |           |                     |          |         |                     |                        |                  |                  |           | 6               |
| Kim (1) (2010) | 144           | 86            | 53          | 12               | 26        | 5                  | 25       | 1       | 17                  |                        |                  |                  |           | 13              |
| Liavaag (2010) | 42            | 93            | 81          | 0                | 86        | 17                 |          |         |                     |                        |                  |                  |           |                 |
| Owens (2010) | 14            | 50            | 93          |                  |           |                     |          |         |                     |                        |                  |                  |           |                 |
| Kim (2) (2010) | 40            | 55            | 20          | 8                | 28        | 15                 | 20       | 10      | 8                   | 10                     |                  |                  |           |                 |
| Carrazzone (2011) | 57         | 72            | 100         |                  |           | 39                 | 2        | 14      | 32                  | 28                     |                  |                  |           |                 |
| Gutierrez (2012) | 96           | 89            | 100         |                  |           | 2                  | 20       | 10      | 4                   |                        |                  |                  |           |                 |
| Zhu (2013) | 14            | 100           | 71          | 14               | 29        | 43                 | 0        | 7       | 79                  | 0                      |                  |                  |           |                 |
| Kurokawa (2013) | 100           | 94            |             |                  |           |                     |          |         |                     |                        |                  |                  |           | 86              |
| Ozaki (2014) | 142           | 83            |             |                  |           |                     |          |         |                     |                        |                  |                  |           |                 |
| Atef (2015) | 240           | 13            | 21          | 0                |           | 0                  | 28       |         |                     |                        |                  |                  |           |                 |
| Ellis (2015) | 114           |               |             |                  |           |                     |          |         |                     |                        |                  |                  |           | 48              |
| Robinson (2015) | 28           | 100           | 64          | 7                | 11        | 7                  | 64       | 18      | 18                  |                        |                  |                  |           |                 |
| Shin (2016) | 122           | 78            |             | 25               | 25        | 45                 | 3        | 8       | 9                   |                        |                  |                  |           |                 |
| Madhu (2017) | 25            | 40            | 44          | 8                | 52        | 36                 | 20       |         | 32                  |                        |                  |                  |           |                 |
| Rugg (2017) | 172           | 71            | 19          | 2                | 26        | 4                  | 17       | 5       | 12                  | 5                      |                  |                  |           |                 |
| Nakagawa (2017) | 172          | 65            |             | 22               |           |                     |          |         |                     |                        |                  |                  |           | 67              |
| Nakagawa (2019) | 72            | 74            |             |                 |           |                     |          |         |                     |                        |                  |                  |           |                 |
| Eren (2020) | 75            | 92            |             |                 |           |                     |          |         |                     |                        |                  |                  |           | 28              |
| Pooled average | 1,920         | 69            | 67          | 13               | 18        | 16                 | 23       | 4       | 17                  | 8                      | 37               | 9                 | 14        | 15              |