APPENDIX 1:

PubMed search was done on 1st July 2017, using the keywords‘Foley’, induction of ‘labour’ or‘labor,‘randomised’or‘randomized’ and ‘trial’, retrieved 120 publications of which 99 were clinical trial reports. We were able to obtain 77 publications in full text to ascertain method of insertion. Two insertion methods were described: speculum and digital insertion. In 47 of the 77 reports where insertion method was specified, 40 (85%) specified exclusive speculum insertion, 6 (12.8%) permitted either speculum or digital insertion, and only 1(2.1%) used digital insertion exclusively. Speculum insertion is predominantly favored in the literature.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No | Author | Year | Country | Foley Size/ balloon inflation volume | n | f | Technique |
| 1 | Forgie et al | 2016 | US | 22F/ 50mL | 123 | 16 | Digital |
| 2 | Roni Levy | 2003 | Israel | \*30mL or 80mL | 205 | 0 | Speculum |
| 3 | Levy et al  | 2002 | Israel | \*60mL | 211 | 0 | Speculum |
| 4 | Filho et al  | 2010  | Brazil | 14F/ 30mL | 121 | 0 | Speculum |
| 5 | Niromanesh et al  | 2003  | Iran | 14F/ 30mL | 45 | 0 | Speculum |
| 6 | Sciscione et al  | 1998 | U.S | 14F/ 30mL | 77 | 0 | Speculum |
| 7 | Gibson K.S et al | 2013 | U.S | 14F/ 30mL | 197 | 6 | Speculum |
| 8 | Jozwiak et al  | 2011 | Netherland | 16-18F/ 30mL | 412 | 13 | Speculum |
| 9 | Husain et al  | 2016 | Pakistan | 16-18F/ 30mL | 169 | 5 | Speculum |
| 10 | Henry et al  | 2013 | Australia | 16F/ 30mL | 50 | 0 | Speculum |
| 11 | Ugwu et al  | 2013 | Nigeria | 16F/ 30mL | 50 | 0 | Speculum |
| 12 | Chung et al  | 2003 | US | 16F/ 30mL | 54 | 4 | Speculum |
| 13 | Abramovici et al  | 1999 | US | 16F/ 30mL | 77 | 0 | Speculum |
| 14 | Chavakula et al  | 2015 | India | 16F/ 30mL | 54 | 0 | Speculum |
| 15 | Ning Gu et al  | 2015 | China | 16F/ 30mL or 80mL | 504 | 2 | Speculum |
| 16 | Manish et al | 2016 | India | 16F/ 30mL or 80mL | 77 | 0 | Speculum |
| 17 | Policiano et al  | 2017 | Portugal | 16F/ 40mL | 201 | 0 | Speculum |
| 18 | El-Khayat et al  | 2014 | Egypt | 16F/ 60mL | 200 | 0 | Speculum |
| 19 | Owolabi et al  | 2005 | Nigeria | 18F/ 30mL | 60 | 0 | Speculum |
| 20 | Onge et al  | 1994 | Canada | 18F/ 30mL | 36 | 0 | Speculum |
| 21 | Fitzpatrick et al  | 2012 | US | 18F/ 30mL | 136 | 19 | Speculum |
| 22 | Sharma et al  | 2014 | US | 18F/ 30mL | 80 | 5 | Speculum |
| 23 | Ahmed et al  | 2016 | Egypt | 18F/ 50mL | 39 | 2 | Speculum |
| 24 | Cromi et al  | 2006 | Italy | 18F/ 50mL | 607 | 5 | Speculum |
| 25 | Cromi et al  | 2010 | Italy | 18F/ 50mL | 131 | 1 | Speculum |
| 26 | Al-Taani MI  | 2004 | Iran | 18F/ 50mL | 72 | 0 | Speculum |
| 27 | Mizrachi et al  | 2016 | Berlin | 22F/ 80mL | 173 | 0 | Speculum |
| 28 | Barrilleaux et al  | 2002 | US | 24F/ 50mL | 223 | 0 | Speculum |
| 29 | Hill et al  | 2009 | US | 24F/ 50mL | 114 | 4 | Speculum |
| 30 | Barkai et al  | 1997 | Israel | 26F/ 30mL | 48 | 0 | Speculum |
| 31 | Maslovitz et al  | 2009 | Israel | 26F/ 50mL | 1083 | 19 | Speculum |
| 32 | Aduloju et al  | 2016 | New Zealand | 16F/ 30mL | 70 | 0 | Speculum /+ sponge forceps |
| 33 | Dalui et al  | 2003 | India | 16F/ 30mL | 50 | 0 | Speculum & sponge forceps |
| 34 | Mei-Dan et al  | 2011 | US | 16F/ 30mL | 88 | 1 | Speculum & sponge forceps |
| 35 | Adeniji et al  | 2005 | Nigeria | 16F/ 50mL | 96 | 0 | Speculum & sponge forceps |
| 36 | El Khouly  | 2016 | Egypt | 18F/ 30mL | 72 | 0 | Speculum & sponge forceps |
| 37 | M. Kandil et al  | 2012 | Egypt | 18F/ 30mL | 50 | 0 | Speculum& sponge forceps |
| 38 | Thomas et al  | 1986 | UK | 18F/ 30mL | 32 | 0 | Speculum & sponge forceps |
| 39 | Guinn et al  | 2003 | US | 22F/ 30mL | 100 | 13 | Speculum, if failed - Speculum & sponge forceps |
| 40 | Pettker et al  | 2008 | US | 20F/ 30mL | 200 | 0 | Speculum/ +sponge forceps |
| 41 | Karjane et al  | 2006 | US | 30F/ 50mL | 142 | 3 | Speculum, if failed - digital |
| 42 | Amorosa et al  | 2017 | Newland | 16F/ 30mL | 62 | 0 | Speculum & sponge forceps/ Digital |
| 43 | Eikelder et al  | 2016 | Netherland | 16-18F/ 30mL | 921 | 49 | Speculum or digital |
| 44 | Shuchita et al  | 2017 | US | 18F/ 30mL | 602 | 4 | Speculum or Digital |
| 45 | Levine et al  | 2016 | US | 18F/ 30mL | 248 | 9 | Speculum or Digital |
| 46 | Jonsson et al  | 2011 | Sweden | 18F/ 50mL | 42 | 0 | Speculum or Digital |
| 47 | Carbone et al  | 2013 | US | \*60ml | 123 | 0 | Speculum or Digital |
| 48 | Onah H.E  | 2002 | Nigeria | \*30mL | 30 | 0 | Unspecified |
| 49 | Sandberg et al  | 2017 | Netherland | \*30mL or 80mL | 174 | 0 | Unspecified |
| 50 | Surita et al  | 2004 | Brazil | 14F/ 30mL | 70 | 0 | Unspecified |
| 51 | Pennell et al  | 2009 | Australia | 16F/ 30mL | 109 | 1 | Unspecified |
| 52 | Sciscione et al  | 2003 | Newark | 16F/ 30mL | 63 | 0 | Unspecified |
| 53 | Edward et al  | 2014 | US | 16F/ 30mL | 185 | 0 | Unspecified |
| 54 | James et al  | 1994 | India | 16F/ 30mL  | 187 | 0 | Unspecified |
| 55 | Patabendige et al  | 2017 | Sri Lanka | 16F/ 50mL | 56 | 0 | Unspecified |
| 56 | Connolly et al  | 2017 | US | 16F/ 60mL | 141 | 0 | Unspecified |
| 57 | M. Kashanian  | 2005 | Iran  | 16F/ Unspecified | 100 | 0 | Unspecified |
| 58 | Ziyaudin et al  | 2013 | India | 16F/30mL | 35 | 0 | Unspecified |
| 59 | Ducarme et al  | 2015 | France | 16F/30mL | 255 | 0 | Unspecified |
| 60 | Dahiya K et al  | 2012 | India | 16F/50mL | 50 | 0 | Unspecified |
| 61 | Tabowei et al  | 2003 | Nigeria | 16F/50mL | 61 | 0 | Unspecified |
| 62 | Culver et al  | 2004 | US | 18F/ 30mL | 83 | 0 | Unspecified |
| 63 | Liu et al  | 1998 | Taiwan | 18F/ 30mL | 32 | 4 | Unspecified |
| 64 | Afolabi et al | 2005 | Nigeria | 18F/ 30mL | 50 | 0 | Unspecified |
| 65 | Delaney et al  | 2010 | US | 18F/ 30mL or 60mL | 192 | 0 | Unspecified |
| 66 | Gonsalves et al | 2016 | Oman | 18F/ 30mL to 60mL | 68 | 0 | Unspecified |
| 67 | Bujold et al  | 2004 | US | 18F/ 50mL | 255 | 0 | Unspecified |
| 68 | Gelisen et al  | 2004 | Turkey | 18F/ 50mL | 100 | 8 | Unspecified |
| 69 | Fatemeh et al  | 2012 | Iran | 18F/ 50mL | 59 | 0 | Unspecified |
| 70 | Mullin et al  | 2002 | US | 18F/ 60mL | 100 | 0 | Unspecified |
| 71 | Moini et al  | 2003 | Iran | 22F/ 30mL | 35 | 0 | Unspecified |
| 72 | Ghanaie et al  | 2013 | Iran | 22F/ 30mL | 240 | 2 | Unspecified |
| 73 | Kruit et al  | 2015 | Finland | 22F/ 30mL to 60mL | 432 | 0 | Unspecified |
| 74 | Kruit et al  | 2017 | Finland | 22F/ 50mL | 361 | 0 | Unspecified |
| 75 | Hemlin et al  | 1998 | Sweden | 24F/ 30mL | 43 | 0 | Unspecified |
| 76 | Kashanian et al  | 2008 | Iran | 24F/ 30mL or 80mL | 180 | 0 | Unspecified |
| 77 | Perry K. G et al  | 1997 | US | 24F/ 50mL | 65 | 0 | Unspecified |
|  | n : Number of participants in the trialf : Number of failed insertions mentioned\*: Gauge of Foley catheter used in trial was not specified |

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